

Publications of Chemistry department: 2018

Scopus

EXPORT DATE:03 Mar 2021

Soylu, M., Dere, A., Al-Sehemi, A.G., Al-Ghamdi, A.A., Yakuphanoglu, F.

Effect of calcination and carbon incorporation on NiO nanowires for photodiode performance

(2018) Microelectronic Engineering, 202, pp. 51-59.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056164794&doi=10.1016%2fj.mee.2018.10.007&partnerID=40&md5=821b533ce2cec94dbc0f37646a8898c5>

DOI: 10.1016/j.mee.2018.10.007

DOCUMENT TYPE: Article

SOURCE: Scopus

Kamel, A.H., Galal, H.R., Awwad, N.S.

Cost-effective and handmade paper-based potentiometric sensing platform for piperidine determination

(2018) Analytical Methods, 10 (45), pp. 5406-5415.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057235431&doi=10.1039%2fc8ay01811a&partnerID=40&md5=125437037ac298d776841f6a4778a2a3>

DOI: 10.1039/c8ay01811a

DOCUMENT TYPE: Article

SOURCE: Scopus

Youssef, A.M.S., Fouda, A.M., Faty, R.M.

Microwave assisted synthesis of some new thiazolopyrimidine and pyrimidothiazolopyrimidopyrimidine derivatives with potential antimicrobial activity

(2018) Chemistry Central Journal, 12 (1), art. no. 50, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046539189&doi=10.1186%2fs13065-018-0419-0&partnerID=40&md5=d847c965e9e27721d1e5c6032d663e3a>

DOI: 10.1186/s13065-018-0419-0

DOCUMENT TYPE: Article

SOURCE: Scopus

Wazzan, N., Irfan, A.

Theoretical study of triphenylamine-based organic dyes with mono-, di-, and tri-anchoring groups for dye-sensitized solar cells

(2018) *Organic Electronics*, 63, pp. 328-342.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056194410&doi=10.1016%2fj.orgel.2018.09.039&partnerID=40&md5=766a55f9d2e4462354e0ed22532202fa>

DOI: 10.1016/j.orgel.2018.09.039

DOCUMENT TYPE: Article

SOURCE: Scopus

AlFaify, S., Shkir, M., Arora, M., Irfan, A., Algarni, H., Abbas, H., Al-Sehemi, A.G.

Quantum chemical investigation on molecular structure, vibrational, photophysical and nonlinear optical properties of l-threoninium picrate: an admirable contender for nonlinear applications

(2018) *Journal of Computational Electronics*, 17 (4), pp. 1421-1433.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053046239&doi=10.1007%2fs10825-018-1230-9&partnerID=40&md5=f9e9898fa175819906c0d6e64913afb1>

DOI: 10.1007/s10825-018-1230-9

DOCUMENT TYPE: Article

SOURCE: Scopus

Ali, I.H., Marzouki, R., Smida, Y.B., Brahmia, A., Zid, M.F.

Inhibition effect of Coleus forskohlii leaf extract on Steel Corrosion in 1.0 M HCl solution: Experimental and theoretical approaches

(2018) International Journal of Electrochemical Science, 13 (12), pp. 11580-11595.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058140713&doi=10.20964%2f2018.12.53&partnerID=40&md5=f6463e9459ee2167be05615dd6ebb48b>

DOI: 10.20964/2018.12.53

DOCUMENT TYPE: Article

SOURCE: Scopus

Shkir, M., Ganesh, V., Yahia, I.S., Abd-Rabboh, H.S.M., AlFaify, S.

Effects of methyl violet dye on the growth and properties of zinc (tris) thiourea sulfate single crystals

(2018) Journal of Physics and Chemistry of Solids, 123, pp. 336-343.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052143781&doi=10.1016%2fj.jpcs.2018.08.021&partnerID=40&md5=f8179c831bbffc32d1bb29ad218b4b3a>

DOI: 10.1016/j.jpcs.2018.08.021

DOCUMENT TYPE: Article

SOURCE: Scopus

Irfan, A., Chaudhary, A.R., Muhammad, S., Al-Sehemi, A.G., Bo, H., Mumtaz, M.W., Qayyum, M.A.

Tuning the optoelectronic and charge transport properties of 2,5-di(pyrimidin-5-yl)thieno[3,2-b]thiophene by oligocene end cores substitution

(2018) Results in Physics, 11, pp. 599-604.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054839327&doi=10.1016%2fj.rinp.2018.09.052&partnerID=40&md5=2f9d933527e163b033572dbf57f4c9ba>

DOI: 10.1016/j.rinp.2018.09.052

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Sehemi, A., Al-Ghamdi, A., Dishovsky, N., Atanasov, N., Atanasova, G.

Design and performance analysis of dual-band wearable compact low-profile antenna for body-centric wireless communications

(2018) International Journal of Microwave and Wireless Technologies, 10 (10), pp. 1175-1185.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049868530&doi=10.1017%2fS1759078718001058&partnerID=40&md5=217e2ab640d98a6f9f2747ecd7c69c0f>

DOI: 10.1017/S1759078718001058

DOCUMENT TYPE: Article

SOURCE: Scopus

Abdel-Rahman, L.H., Adam, M.S.S., Abu-Dief, A.M., Moustafa, H., Basha, M.T., Aboraia, A.S., Al-Farhan, B.S., Ahmed, H.E.-S.

Synthesis, theoretical investigations, biocidal screening, DNA binding, in vitro cytotoxicity and molecular docking of novel Cu (II), Pd (II) and Ag (I) complexes of chlorobenzylidene Schiff base: Promising antibiotic and anticancer agents

(2018) Applied Organometallic Chemistry, 32 (12), art. no. e4527, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054908850&doi=10.1002%2faoc.4527&partnerID=40&md5=c800b2b8e111784f5630550ea429dafa>

DOI: 10.1002/aoc.4527

DOCUMENT TYPE: Article

SOURCE: Scopus

Karabulut, A., Dere, A., Al-Sehemi, A.G., Al-Ghamdi, A.A., Yakuphanoglu, F.

Cadmium Oxide: Titanium Dioxide Composite Based Photosensitive Diode

(2018) Journal of Electronic Materials, 47 (12), pp. 7159-7169.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053407945&doi=10.1007%2fs11664-018-6647-1&partnerID=40&md5=32e26b61bf3984b5dd8f6b19c2f5d46d>

DOI: 10.1007/s11664-018-6647-1

DOCUMENT TYPE: Article

SOURCE: Scopus

Mabkhot, Y.N., Alharbi, M.M., Al-Showiman, S.S., Ghabbour, H.A., Kheder, N.A., Soliman, S.M., Frey, W.

Stereoselective synthesis, X-ray analysis, computational studies and biological evaluation of new thiazole derivatives as potential anticancer agents

(2018) Chemistry Central Journal, 12 (1), art. no. 56, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046883464&doi=10.1186%2fs13065-018-0420-7&partnerID=40&md5=ea524e3bca87415b518698d5f9d46e60>

DOI: 10.1186/s13065-018-0420-7

DOCUMENT TYPE: Article

SOURCE: Scopus

Siddeeg, S.M., Suliman, M.A., Rebah, F.B., Mnif, W., Ahmed, A.Y., Salih, I.

Comparative study of natural radioactivity and radiological hazard parameters of various imported tiles used for decoration in Sudan

(2018) Symmetry, 10 (12), art. no. 746, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058991194&doi=10.3390%2fsym10120746&partnerID=40&md5=209d5c1fe855f5dd2af1b0eea01cbe08>

DOI: 10.3390/sym10120746

DOCUMENT TYPE: Article

SOURCE: Scopus

Edrees, M.M., Abu-Melha, S., Saad, A.M., Kheder, N.A., Gomha, S.M., Muhammad, Z.A.

Eco-friendly synthesis, characterization and biological evaluation of some novel pyrazolines containing thiazole moiety as potential anticancer and antimicrobial agents

(2018) *Molecules*, 23 (11), art. no. 23112970, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056495858&doi=10.3390%2fmolecules23112970&partnerID=40&md5=0054ef8eebfa79b53885a637b97744c6>

DOI: 10.3390/molecules23112970

DOCUMENT TYPE: Article

SOURCE: Scopus

Fujiyoshi, J.-Y., Tonami, T., Yamane, M., Okada, K., Kishi, R., Muhammad, S., Al-Sehemi, A.G., Nozawa, R., Shinokubo, H., Nakano, M.

Theoretical Study on Open-Shell Singlet Character and Second Hyperpolarizabilities in Cofacial π -Stacked Dimers Composed of Weak Open-Shell Antiaromatic Porphyrins

(2018) *ChemPhysChem*, 19 (21), pp. 2863-2871.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053735940&doi=10.1002%2fcphc.201800745&partnerID=40&md5=03794342f555ce07cf43e255e8e5ab0c>

DOI: 10.1002/cphc.201800745

DOCUMENT TYPE: Article

SOURCE: Scopus

Begum, R., Farooqi, Z.H., Naseem, K., Ali, F., Batool, M., Xiao, J., Irfan, A.

Applications of UV/Vis Spectroscopy in Characterization and Catalytic Activity of Noble Metal Nanoparticles Fabricated in Responsive Polymer Microgels: A Review

(2018) *Critical Reviews in Analytical Chemistry*, 48 (6), pp. 503-516.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044592866&doi=10.1080%2f10408347.2018.1451299&partnerID=40&md5=06b877cf7eadb85baf07f7bb68830b>

DOI: 10.1080/10408347.2018.1451299

DOCUMENT TYPE: Review

SOURCE: Scopus

Jin, R., Zhang, X., Xiao, W., Irfan, A.

Rational design of diketopyrrolopyrrole-based multifunctional materials for organic light-emitting diodes and organic solar cells

(2018) Theoretical Chemistry Accounts, 137 (11), art. no. 145, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055279422&doi=10.1007%2fs00214-018-2347-4&partnerID=40&md5=2577e459e5f6e6d88b4287007380c349>

DOI: 10.1007/s00214-018-2347-4

DOCUMENT TYPE: Article

SOURCE: Scopus

Amami, M., Dulmani, S.A., Farhat, L.B.

Effect of Ti and Zn Doping on the Structural, Electric, and Magnetic Properties of GaFeO₃

(2018) Journal of Superconductivity and Novel Magnetism, 31 (11), pp. 3525-3533.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042590399&doi=10.1007%2fs10948-018-4602-2&partnerID=40&md5=01de2567fbf76b8973f93b5d1db87bbe>

DOI: 10.1007/s10948-018-4602-2

DOCUMENT TYPE: Article

SOURCE: Scopus

Begum, R., Najeeb, J., Ahmad, G., Wu, W., Irfan, A., Al-sehemi, A.G., Farooqi, Z.H.

Synthesis and characterization of poly(N-isopropylmethacrylamide-co-acrylic acid) microgels for in situ fabrication and stabilization of silver nanoparticles for catalytic reduction of o-nitroaniline in aqueous medium

(2018) Reactive and Functional Polymers, 132, pp. 89-97.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053777254&doi=10.1016%2fj.reactfunctpolym.2018.09.004&partnerID=40&md5=d2d76d00152a770368ed1b569bda6738>

DOI: 10.1016/j.reactfunctpolym.2018.09.004

DOCUMENT TYPE: Article

SOURCE: Scopus

Chaudhry, A.R., Muhammad, S., Irfan, A., Al-Sehemi, A.G., Haq, B.U., Hussain, S.

Structural, Electronic and Nonlinear Optical Properties of Novel Derivatives of 9,12-Diiodo-1,2-dicarba-closo-dodecaborane: Density Functional Theory Approach

(2018) Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, 73 (11), pp. 1037-1045.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049835516&doi=10.1515%2fzna-2018-0123&partnerID=40&md5=825ada7aaaf68ac66821571b3bff9746>

DOI: 10.1515/zna-2018-0123

DOCUMENT TYPE: Article

SOURCE: Scopus

Rebah, F.B., Mnif, W., Siddeeg, S.M.

Microbial flocculants as an alternative to synthetic polymers for wastewater treatment: A review

(2018) Symmetry, 10 (11), art. no. 556, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057894349&doi=10.3390%2fsym10110556&partnerID=40&md5=5b66cdfef1cf61fddd9a4d77b520418>

DOI: 10.3390/sym10110556

DOCUMENT TYPE: Review

SOURCE: Scopus

Irfan, M., Azam, S., Hussain, S., Khan, S.A., Sohail, M., Makhdoom, M., Ali, Z., Kityk, I.V., Muhammad, S., Al-Sehemi, A.G.

Effect of Coulomb interactions on optoelectronic and magnetic properties of novel A₂V₂O₇ (A= Fe and Co) compounds

(2018) Journal of Alloys and Compounds, 766, pp. 536-545.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049460787&doi=10.1016%2fj.jallcom.2018.06.318&partnerID=40&md5=628edea94b3e63d50dd5c1726938ac9e>

DOI: 10.1016/j.jallcom.2018.06.318

DOCUMENT TYPE: Article

SOURCE: Scopus

Naseem, K., Farooqi, Z.H., Begum, R., Ghufraan, M., Rehman, M.Z.U., Najeeb, J., Irfan, A., Al-Sehemi, A.G.

Poly(N-isopropylmethacrylamide-acrylic acid) microgels as adsorbent for removal of toxic dyes from aqueous medium

(2018) Journal of Molecular Liquids, 268, pp. 229-238.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050101192&doi=10.1016%2fj.molliq.2018.07.039&partnerID=40&md5=7105f7f576ae985c9c7b190bdb91ce31>

DOI: 10.1016/j.molliq.2018.07.039

DOCUMENT TYPE: Article

SOURCE: Scopus

Yatam, S., Jadav, S.S., Gundla, R., Gundla, K.P., Reddy, G.M., Ahsan, M.J., Chimakurthy, J.

Design, Synthesis and Biological Evaluation of 2 (((5-aryl-1,2,4-oxadiazol-3-yl)methyl)thio)benzo[d]oxazoles: New Antiinflammatory and Antioxidant Agents

(2018) ChemistrySelect, 3 (37), pp. 10305-10310.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054584795&doi=10.1002%2fslct.201801558&partnerID=40&md5=67f4aaeb9e54e9bf725a1e6005131dfd>

DOI: 10.1002/slct.201801558

DOCUMENT TYPE: Article

SOURCE: Scopus

Assiri, M.A., Ali, T.E., Ali, M.M., Yahia, I.S.

Synthesis and anticancer activity of some novel diethyl {(chromonyl/pyrazolyl) [(4-oxo-2-phenyl-quinazolin-3(4H)-yl)amino]methyl}phosphonates

(2018) Phosphorus, Sulfur and Silicon and the Related Elements, 193 (10), pp. 668-674.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054421326&doi=10.1080%2f10426507.2018.1487969&partnerID=40&md5=6f42f5fcfd67a5558f39a1526339902>

DOI: 10.1080/10426507.2018.1487969

DOCUMENT TYPE: Article

SOURCE: Scopus

Kalam, A., Al-Sehemi, A.G., Alrumman, S., Assiri, M., Moustafa, M.F.M., Yadav, P., Pannipara, M.

Colorimetric optical chemosensor of toxic metal ion (Hg²⁺) and biological activity using green synthesized agnps

(2018) Green Chemistry Letters and Reviews, 11 (4), pp. 484-491.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063725372&doi=10.1080%2f17518253.2018.1538431&partnerID=40&md5=83769cbcd4f58bc6938542c866974c9c>

DOI: 10.1080/17518253.2018.1538431

DOCUMENT TYPE: Article

SOURCE: Scopus

Irfan, A., Al-Sehemi, A.G., Chaudhry, A.R., Muhammad, S.

How methoxy groups change nature of the thiophene based heterocyclic chalcones from p-channel to ambipolar transport semiconducting materials

(2018) Journal of King Saud University - Science, 30 (4), pp. 458-465.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017247724&doi=10.1016%2fj.jksus.2017.03.010&partnerID=40&md5=3c2d202edd718d875d7c4f60696e7c53>

DOI: 10.1016/j.jksus.2017.03.010

DOCUMENT TYPE: Article

SOURCE: Scopus

Kalam, A., Al-Sehemi, A.G., Verma, D., Tripathi, B., Kumar, M.

Study of transport and recombination mechanism in hole transporter free perovskite solar cell

(2018) Materials Research Express, 5 (10), art. no. 105508, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052850849&doi=10.1088%2f2053-1591%2faadb46&partnerID=40&md5=f1d45e804f439f573fc078597da11a0a>

DOI: 10.1088/2053-1591/aadb46

DOCUMENT TYPE: Article

SOURCE: Scopus

Begum, R., Farooqi, Z.H., Butt, Z., Wu, Q., Wu, W., Irfan, A.

Engineering of responsive polymer based nano-reactors for facile mass transport and enhanced catalytic degradation of 4-nitrophenol

(2018) Journal of Environmental Sciences (China), 72, pp. 43-52.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85038391485&doi=10.1016%2fj.jes.2017.12.003&partnerID=40&md5=07e2239a1b2d22983ad2414f19c568fd>

DOI: 10.1016/j.jes.2017.12.003

DOCUMENT TYPE: Article

SOURCE: Scopus

Gouda, M.A., Attia, E., Helal, M.H., Salem, M.A.

Recent Progress on Nicotinonitrile Scaffold-based Anticancer, Antitumor, and Antimicrobial Agents: A Literature Review

(2018) *Journal of Heterocyclic Chemistry*, 55 (10), pp. 2224-2250.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052818367&doi=10.1002%2fjhet.3298&partnerID=40&md5=1c22d687fe9087ca567fa358510f75d4>

DOI: 10.1002/jhet.3298

DOCUMENT TYPE: Review

SOURCE: Scopus

Wageh, S., Karabulut, A., Dere, A., Al-Sehemi, A.G., Al-Ghamdi, A.A., El-Tantawy, F., Yakuphanoglu, F.

Photodiode based on Pb_{0.9}Cd_{0.1}S ternary alloy semiconductor for solar tracking systems

(2018) *Journal of Materials Science: Materials in Electronics*, 29 (19), pp. 16880-16893.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051196522&doi=10.1007%2fs10854-018-9783-8&partnerID=40&md5=21ff3eea0b1694592db19d4962a62afd>

DOI: 10.1007/s10854-018-9783-8

DOCUMENT TYPE: Article

SOURCE: Scopus

Muhammad, S., Nakano, M., Al-Sehemi, A.G., Irfan, A., Chaudhry, A.R., Tonami, T., Ito, S., Kishi, R., Kitagawa, Y.

Exploring the novel donor-nanotube archetype as an efficient third-order nonlinear optical material: Asymmetric open-shell carbon nanotubes

(2018) *Nanoscale*, 10 (35), pp. 16499-16507.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053454482&doi=10.1039%2fc8nr03009j&partnerID=40&md5=67f43b966a4ea37bc313289ba71b8dde>

DOI: 10.1039/c8nr03009j

DOCUMENT TYPE: Article

SOURCE: Scopus

Chaouiki, A., Lgaz, H., Chung, I.-M., Ali, I.H., Gaonkar, S.L., Bhat, K.S., Salghi, R., Oudda, H., Khan, M.I.

Understanding corrosion inhibition of mild steel in acid medium by new benzonitriles: Insights from experimental and computational studies

(2018) Journal of Molecular Liquids, 266, pp. 603-616.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049481193&doi=10.1016%2fj.molliq.2018.06.103&partnerID=40&md5=04eca5f986014ba5a26812a3a6a16e27>

DOI: 10.1016/j.molliq.2018.06.103

DOCUMENT TYPE: Article

SOURCE: Scopus

Irfan, M., Azam, S., Hussain, S., Khan, S., Zaheer, A., Kityk, I.V., Muhammad, S., Al-Sehemi, A.G.

Specific features of structural, electronic, optical and elastic properties of the cubic calcium pyroniobate Ca₂Nb₂O₇ crystals

(2018) Physica B: Condensed Matter, 545, pp. 69-75.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048541729&doi=10.1016%2fj.physb.2018.05.041&partnerID=40&md5=c62b5afc3bb1f71b359912f624a01857>

DOI: 10.1016/j.physb.2018.05.041

DOCUMENT TYPE: Article

SOURCE: Scopus

Dere, A., Coskun, B., Tataroğlu, A., Al-Sehemi, A.G., Al-Ghamdi, A.A., Alateeq, H.M.A., Qindeel, R., Farooq, W.A., Yakuphanoglu, F.

Boron doped graphene based linear dynamic range photodiode

(2018) Physica B: Condensed Matter, 545, pp. 86-93.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048136802&doi=10.1016%2fj.physb.2018.05.046&partnerID=40&md5=4f9a2662e8d0fbc5ed02c5ff21b443c8>

DOI: 10.1016/j.physb.2018.05.046

DOCUMENT TYPE: Article

SOURCE: Scopus

Doggaz, A., Attour, A., Le Page Mostefa, M., Tlili, M., Lopicque, F.

Iron removal from waters by electrocoagulation: Investigations of the various physicochemical phenomena involved

(2018) Separation and Purification Technology, 203, pp. 217-225.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046338689&doi=10.1016%2fj.seppur.2018.04.045&partnerID=40&md5=1df56b56c726b34962076cbe4783c9b6>

DOI: 10.1016/j.seppur.2018.04.045

DOCUMENT TYPE: Article

SOURCE: Scopus

Soylu, M., Dere, A., Ahmedova, C., Barim, G., Al-Sehemi, A.G., Al-Ghamdi, A.A., Farooq, W.A., Yakuphanoglu, F.

Investigating the coumarin capability in chalcogenide 20Tl2Se–80Pr2Se3 system based photovoltaics

(2018) Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 202, pp. 123-130.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047092270&doi=10.1016%2fj.saa.2018.04.075&partnerID=40&md5=c140a89e81c6a031afb2e8070ab413f6>

DOI: 10.1016/j.saa.2018.04.075

DOCUMENT TYPE: Article

SOURCE: Scopus

Ali, T.E., Assiri, M.A., Abdel-Kariem, S.M., Yahia, I.S.

Facile synthesis of novel 6-methyl-5-phenyl-2-sulfido-1,2,3,5-tetrahydro-4H[1,2]oxazolo[4',5':5,6]pyrano[2,3-d][1,3,2]diazaphosphinines

(2018) Journal of Sulfur Chemistry, 39 (5), pp. 472-482.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044450744&doi=10.1080%2f17415993.2018.1455837&partnerID=40&md5=c7099890cab92194a24b6ec79fd9e2f1>

DOI: 10.1080/17415993.2018.1455837

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Farhan, B.S., Naggar, A.H., Farghaly, O.A.

Potentiometric and conductometric study of complex formations between Norfloxacin and some metal ions and Norfloxacin determination in dosage forms

(2018) International Journal of Electrochemical Science, 13 (9), pp. 8275-8294.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052621827&doi=10.20964%2f2018.09.43&partnerID=40&md5=f8907106ec0c512b8a336922bff1e730>

DOI: 10.20964/2018.09.43

DOCUMENT TYPE: Article

SOURCE: Scopus

Shkir, M., Khan, Z.R., Hamdy, M.S., Algarni, H., Alfaify, S.

A facile microwave-assisted synthesis of PbMoO₄ nanoparticles and their key characteristics analysis: A good contender for photocatalytic applications

(2018) Materials Research Express, 5 (9), art. no. 095032, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052313334&doi=10.1088%2f2053-1591%2faad893&partnerID=40&md5=59196cababb6b4ca1604887a71744642>

DOI: 10.1088/2053-1591/aad893

DOCUMENT TYPE: Article

SOURCE: Scopus

Naseem, K., Farooqi, Z.H., Begum, R., Wu, W., Irfan, A., Al-Sehemi, A.G.

Silver Nanoparticles Engineered Polystyrene-Poly(N-isopropylmethacrylamide-acrylic acid) Core Shell Hybrid Polymer Microgels for Catalytic Reduction of Congo Red

(2018) *Macromolecular Chemistry and Physics*, 219 (18), art. no. 1800211, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052656081&doi=10.1002%2fmacp.201800211&partnerID=40&md5=54023489fe9b9eb19bb56290176cd625>

DOI: 10.1002/macp.201800211

DOCUMENT TYPE: Article

SOURCE: Scopus

Osman, H., Yusufzai, S.K., Khan, M.S., Abd Razik, B.M., Sulaiman, O., Mohamad, S., Gansau, J.A., Ezzat, M.O., Parumasivam, T., Hassan, M.Z.

New thiazolyl-coumarin hybrids: Design, synthesis, characterization, X-ray crystal structure, antibacterial and antiviral evaluation

(2018) *Journal of Molecular Structure*, 1166, pp. 147-154.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047380612&doi=10.1016%2fj.molstruc.2018.04.031&partnerID=40&md5=670a421594bf2d707c0cad0e5a2c8bf1>

DOI: 10.1016/j.molstruc.2018.04.031

DOCUMENT TYPE: Article

SOURCE: Scopus

Pannipara, M., Al-Sehemi, A.G., Irfan, A., Assiri, M., Kalam, A., Al-Ammari, Y.S.

AIE active multianalyte fluorescent probe for the detection of Cu²⁺, Ni²⁺ and Hg²⁺ ions

(2018) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 201, pp. 54-60.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046419345&doi=10.1016%2fj.saa.2018.04.052&partnerID=40&md5=52f9a3a3c9ffc15dff0dbad61ae585f1>

DOI: 10.1016/j.saa.2018.04.052

DOCUMENT TYPE: Article

SOURCE: Scopus

Assiri, M.A., Ali, T.E., El-Edfawy, S.M., Yahia, I.S.

Synthesis and Characterization of Some Novel Phosphorylated 4-Oxo-2-phenylquinazolines

(2018) Journal of Heterocyclic Chemistry, 55 (8), pp. 1955-1959.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051643992&doi=10.1002%2fjhet.3233&partnerID=40&md5=fcd4625dddfc3a9e54c85252fe152492>

DOI: 10.1002/jhet.3233

DOCUMENT TYPE: Article

SOURCE: Scopus

Khan, M.I., Amari, A., Mustafa, A., Shoukry, H., Ali, I.H., Umoren, S.A., Kumar, A.M.

Synthesis, characterization and application of ferrochrome slag/polyaniline nanocomposite as corrosion protection coatings for carbon steel

(2018) International Journal of Electrochemical Science, 13 (8), pp. 7385-7396.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070296740&doi=10.20964%2f2018.08.09&partnerID=40&md5=9787d997bd2509a6726e68b4c6c18525>

DOI: 10.20964/2018.08.09

DOCUMENT TYPE: Article

SOURCE: Scopus

Eid, E.M., Alrumman, S.A., El-Bebany, A.F., Fawy, K.F., Taher, M.A., Hesham, A.E.-L., El-Shaboury, G.A., Ahmed, M.T.

The evaluation of sewage sludge application as a fertilizer for broad bean (*Faba sativa* Bernh.) crops

(2018) Food and Energy Security, 7 (3), art. no. e00142, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051197217&doi=10.1002%2ffes3.142&partnerID=40&md5=7b7196626ed3614d2e60027787c9ba4d>

DOI: 10.1002/fes3.142

DOCUMENT TYPE: Article

SOURCE: Scopus

Tataroğlu, A., Ahmedova, C., Barim, G., Al-Sehemi, A.G., Karabulut, A., Al-Ghamdi, A.A., Farooq, W.A., Yakuphanoglu, F.

Electronic and optoelectronic properties of Al/coumarin doped Pr₂Se₃-Ti₂Se/p-Si devices

(2018) Journal of Materials Science: Materials in Electronics, 29 (15), pp. 12561-12572.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048004106&doi=10.1007%2fs10854-018-9372-x&partnerID=40&md5=065ad3d86235d816ab830d06e2e797c7>

DOI: 10.1007/s10854-018-9372-x

DOCUMENT TYPE: Article

SOURCE: Scopus

Fazary, A.E., Bani-Fwaz, M.Z., Fawy, K.F., Sahlabji, T., Awwad, N.S., Abd-Rabboh, H.S.M.

Norleucine metal complexes: Comments on their equilibrium constants data

(2018) Reviews in Inorganic Chemistry, 38 (2), pp. 43-48.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048394462&doi=10.1515%2frevic-2018-0003&partnerID=40&md5=9b46ad5885f6f5d26b995b78cb4ba979>

DOI: 10.1515/revic-2018-0003

DOCUMENT TYPE: Article

SOURCE: Scopus

Ali, T.E., Assiri, M.A., Yahia, I.S.

Synthesis of novel 3-phenyl-2-oxido/sulfido-1,3,4,2-benzoxadiazaphosphepines

(2018) Synthetic Communications, 48 (14), pp. 1828-1837.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048745880&doi=10.1080%2f00397911.2018.1468466&partnerID=40&md5=062726891b40d68a903bd3c93d39502>

DOI: 10.1080/00397911.2018.1468466

DOCUMENT TYPE: Article

SOURCE: Scopus

Abboud, M., Bel-Hadj-Tahar, R., Fakhri, N., Sayari, A.

Synthesis of ferrocenylazobenzene-functionalized MCM-41 via direct co-condensation method

(2018) Microporous and Mesoporous Materials, 265, pp. 179-184.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042185736&doi=10.1016%2fj.micromeso.2018.02.013&partnerID=40&md5=d8268c31506205f8d51e1251ac5a97b7>

DOI: 10.1016/j.micromeso.2018.02.013

DOCUMENT TYPE: Article

SOURCE: Scopus

Salem, M.A., Helal, M.H., Gouda, M.A., Ammar, Y.A., El-Gaby, M.S.A., Abbas, S.Y.

An overview on synthetic strategies to coumarins

(2018) Synthetic Communications, 48 (13), pp. 1534-1550.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048283554&doi=10.1080%2f00397911.2018.1455873&partnerID=40&md5=4a149b75241bd72bff9957f61ffa019a>

DOI: 10.1080/00397911.2018.1455873

DOCUMENT TYPE: Review

SOURCE: Scopus

Assiri, M.A., Abdel-Kariem, S.M., Ali, T.E., Yahia, I.S.

A convenient route to novel fluorinated 1, 2, 4, 3-triazaphospholo[1, 5-a]pyridines and pyrido[1, 2-b][1, 2, 4, 5]triazaphosphinines

(2018) Arkivoc, 2018 (5), pp. 240-253.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052654794&doi=10.24820%2fark.5550190.p010.478&partnerID=40&md5=b896f1687619ed15cfad452ab39e4aa5>

DOI: 10.24820/ark.5550190.p010.478

DOCUMENT TYPE: Article

SOURCE: Scopus

Muhammad, S., Al-Sehemi, A.G., Pannipara, M., Irfan, A.

Design, characterization and nonlinear optical properties of coumarin appended chalcones: Use of a dual approach

(2018) Optik, 164, pp. 5-15.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042941988&doi=10.1016%2fj.ijleo.2018.02.112&partnerID=40&md5=476484dc80874ac38831130737345d18>

DOI: 10.1016/j.ijleo.2018.02.112

DOCUMENT TYPE: Article

SOURCE: Scopus

Morgan, A., Ibrahim, M.A., Galal, M.K., Ogaly, H.A., Abd-Elsalam, R.M.

Innovative perception on using Tiron to modulate the hepatotoxicity induced by titanium dioxide nanoparticles in male rats

(2018) Biomedicine and Pharmacotherapy, 103, pp. 553-561.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045582123&doi=10.1016%2fj.biopha.2018.04.064&partnerID=40&md5=d537d97901bc9ad9d8ace8a9d6fcc2d8>

DOI: 10.1016/j.biopha.2018.04.064

DOCUMENT TYPE: Article

SOURCE: Scopus

Ibrahim, E.H., Shaker, K.H., Kilany, M., Ghramh, H.A.

Cytokines/Chemokines Profile in Rats Treated with Euphorbia tirucalli Extract

(2018) Arabian Journal for Science and Engineering, 43 (7), pp. 3443-3451.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047877250&doi=10.1007%2fs13369-018-3119-0&partnerID=40&md5=026236b5b167395d148f480d61030a6c>

DOI: 10.1007/s13369-018-3119-0

DOCUMENT TYPE: Article

SOURCE: Scopus

Gouda, M.A., Hussein, B.H.M., Helal, M.H., Salem, M.A.

A Review: Synthesis and Medicinal Importance of Nicotinonitriles and Their Analogous

(2018) Journal of Heterocyclic Chemistry, 55 (7), pp. 1524-1553.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047611719&doi=10.1002%2fjhet.3188&partnerID=40&md5=432f7126b601e882b8758040a821efe5>

DOI: 10.1002/jhet.3188

DOCUMENT TYPE: Review

SOURCE: Scopus

Naseem, K., Farooqi, Z.H., Begum, R., Irfan, A.

Removal of Congo red dye from aqueous medium by its catalytic reduction using sodium borohydride in the presence of various inorganic nano-catalysts: A review

(2018) Journal of Cleaner Production, 187, pp. 296-307.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046023010&doi=10.1016%2fj.jclepro.2018.03.209&partnerID=40&md5=7f00454d39a75aa27dbc21166d61c602>

DOI: 10.1016/j.jclepro.2018.03.209

DOCUMENT TYPE: Review

SOURCE: Scopus

Irfan, A., Assiri, M., Al-Sehemi, A.G.

Exploring the optoelectronic and charge transfer performance of diaza[5]helicenes at molecular and bulk level

(2018) *Organic Electronics*, 57, pp. 211-220.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85043604732&doi=10.1016%2fj.orgel.2018.03.022&partnerID=40&md5=86aa8d2c048e23d89a81877c1fa5fa62>

DOI: 10.1016/j.orgel.2018.03.022

DOCUMENT TYPE: Article

SOURCE: Scopus

Gomha, S.M., Edrees, M.M., Muhammad, Z.A., El-Reedy, A.A.M.

5-(Thiophen-2-yl)-1,3,4-thiadiazole derivatives: Synthesis, molecular docking and in vitro cytotoxicity evaluation as potential anticancer agents

(2018) *Drug Design, Development and Therapy*, 12, pp. 1511-1523.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047922621&doi=10.2147%2fDDDT.S165276&partnerID=40&md5=883f73256ab17663163e1124c68a0b00>

DOI: 10.2147/DDDT.S165276

DOCUMENT TYPE: Article

SOURCE: Scopus

Nasr, T., Bondock, S., Rashed, H.M., Fayad, W., Youns, M., Sakr, T.M.

Novel hydrazide-hydrazone and amide substituted coumarin derivatives: Synthesis, cytotoxicity screening, microarray, radiolabeling and in vivo pharmacokinetic studies

(2018) European Journal of Medicinal Chemistry, 151, pp. 723-739.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045730870&doi=10.1016%2fj.ejmech.2018.04.014&partnerID=40&md5=d028bec0a57ca4504c0cc52a9b80adcd>

DOI: 10.1016/j.ejmech.2018.04.014

DOCUMENT TYPE: Article

SOURCE: Scopus

Pannipara, M., Al-Sehemi, A.G., Assiri, M., Kalam, A.

A colorimetric turn-on optical chemosensor for Cu²⁺ ions and its application as solid state sensor

(2018) Optical Materials, 79, pp. 255-258.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044610648&doi=10.1016%2fj.optmat.2018.03.051&partnerID=40&md5=d3baeeaf728046fd829588022d1b1c9>

DOI: 10.1016/j.optmat.2018.03.051

DOCUMENT TYPE: Article

SOURCE: Scopus

Shahid, M., Farooqi, Z.H., Begum, R., Naseem, K., Ajmal, M., Irfan, A.

Designed synthesis of silver nanoparticles in responsive polymeric system for their thermally tailored catalytic activity towards hydrogenation reaction

(2018) Korean Journal of Chemical Engineering, 35 (5), pp. 1099-1107.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044343551&doi=10.1007%2fs11814-018-0016-x&partnerID=40&md5=3d694fce407153a3094014e6d58d1efa>

DOI: 10.1007/s11814-018-0016-x

DOCUMENT TYPE: Article

SOURCE: Scopus

Muhammad, S., Al-Sehemi, A.G., Irfan, A., Algarni, H., Qiu, Y., Xu, H., Su, Z., Iqbal, J.

The substitution effect of heterocyclic rings to tune the optical and nonlinear optical properties of hybrid chalcones: A comparative study

(2018) *Journal of Molecular Graphics and Modelling*, 81, pp. 25-31.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042692962&doi=10.1016%2fj.jm gm.2018.02.005&partnerID=40&md5=926f8235a860526f855e747d5153c880>

DOI: 10.1016/j.jm gm.2018.02.005

DOCUMENT TYPE: Article

SOURCE: Scopus

Tataroğlu, A., Al-Sehemi, A.G., İlhan, M., Al-Ghamdi, A.A., Yakuphanoglu, F.

Optical, Electrical and Photoresponse Properties of Si-based Diodes with NiO-doped TiO₂ Film Prepared by Sol-gel Method

(2018) *Silicon*, 10 (3), pp. 913-920.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019751210&doi=10.1007%2fs12633-016-9548-z&partnerID=40&md5=2d7e331ecfb6878e4f48dc266484f9b7>

DOI: 10.1007/s12633-016-9548-z

DOCUMENT TYPE: Article

SOURCE: Scopus

Hichri, F., Ben Salah, N., Omri, A., Hossan, A.S.M., Ben Jannet, H.

New antioxidant C-glycosyl flavone and flavonol derivatives from the Tunisian *Achillea cretica* L.

(2018) *South African Journal of Botany*, 116, pp. 1-5.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042518584&doi=10.1016%2fj.sajb.2018.02.393&partnerID=40&md5=ffba4abdc9a80729a19b0b4672ade019>

DOI: 10.1016/j.sajb.2018.02.393

DOCUMENT TYPE: Article

SOURCE: Scopus

Naseem, K., Farooqi, Z.H., Ur Rehman, M.Z., Ur Rehman, M.A., Begum, R., Huma, R., Shahbaz, A., Najeeb, J., Irfan, A.

A systematic study for removal of heavy metals from aqueous media using sorghum bicolor: An efficient biosorbent

(2018) Water Science and Technology, 77 (10), pp. 2355-2368.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048992264&doi=10.2166%2fwst.2018.190&partnerID=40&md5=87e3653a019629f651c5737a3dc917ff>

DOI: 10.2166/wst.2018.190

DOCUMENT TYPE: Article

SOURCE: Scopus

Ghanem, A.H., Farag, A.T.M., Al-Sehemi, A.G., Al-Ghamdi, A., Farooq, W.A., Yakuphanoglu, F.

Bismuth Borate Glass Based Nuclear Materials

(2018) Silicon, 10 (3), pp. 1195-1201.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042748952&doi=10.1007%2fs12633-017-9593-2&partnerID=40&md5=ee8680e934965ec36fcb93b096f47eb0>

DOI: 10.1007/s12633-017-9593-2

DOCUMENT TYPE: Article

SOURCE: Scopus

Coşkun, B., Mensah-Darkwa, K., Soylu, M., Al-Sehemi, A.G., Dere, A., Al-Ghamdi, A., Gupta, R.K., Yakuphanoglu, F.

Optoelectrical properties of Al/p-Si/Fe:N doped ZnO/Al diodes

(2018) Thin Solid Films, 653, pp. 236-248.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044147513&doi=10.1016%2fj.tsf.2018.03.033&partnerID=40&md5=79ff0cec94ba08fb27928de4c99adbce>

DOI: 10.1016/j.tsf.2018.03.033

DOCUMENT TYPE: Article

SOURCE: Scopus

Aldirmaz, E., Guler, M., Guler, E., Dere, A., Tataroğlu, A., Al-Sehemi, A.G., Al-Ghamdi, A.A., Yakuphanoglu, F.

A shape memory alloy based on photodiode for optoelectronic applications

(2018) Journal of Alloys and Compounds, 743, pp. 227-233.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041629455&doi=10.1016%2fj.jallcom.2018.01.380&partnerID=40&md5=053307bc657866958cb42ec4c69f9667>

DOI: 10.1016/j.jallcom.2018.01.380

DOCUMENT TYPE: Article

SOURCE: Scopus

Hichri, F., Znati, M., Bouajila, J., Ben Jannet, H.

New cytotoxic sesquiterpene lactones from *Achillea cretica* L. growing in Tunisia

(2018) Journal of Asian Natural Products Research, 20 (4), pp. 344-351.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034647041&doi=10.1080%2f10286020.2017.1355362&partnerID=40&md5=b22c5a3084ff011dfdb2d4d16e816d84>

DOI: 10.1080/10286020.2017.1355362

DOCUMENT TYPE: Article

SOURCE: Scopus

Naseem, K., Begum, R., Wu, W., Irfan, A., Farooqi, Z.H.

Advancement in Multi-Functional Poly(styrene)-Poly(N-isopropylacrylamide) Based Core–Shell Microgels and their Applications

(2018) Polymer Reviews, 58 (2), pp. 288-325.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046542378&doi=10.1080%2f15583724.2017.1423326&partnerID=40&md5=883f231cb9dcbd28e4e23f2d3f86da6d>

DOI: 10.1080/15583724.2017.1423326

DOCUMENT TYPE: Review

SOURCE: Scopus

Ali, I.H., Suleiman, M.H.A.

Effect of acid extract of leaves of Juniperus procera on corrosion inhibition of carbon steel in HCl solutions

(2018) International Journal of Electrochemical Science, 13 (4), pp. 3910-3922.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045022261&doi=10.20964%2f2018.04.01&partnerID=40&md5=1efebe63532af0edf3efe916fecfe724>

DOI: 10.20964/2018.04.01

DOCUMENT TYPE: Article

SOURCE: Scopus

Hamdy, M.S., Yahia, I.S., Knoff, W., Story, T.

Oxygen-defected ZnO: Facial Synthesis and high photocatalytic performance under visible light

(2018) Optik, 158, pp. 1123-1130.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040244444&doi=10.1016%2fj.ijleo.2017.12.165&partnerID=40&md5=02d95207909d2bfd32c77f9d86b62d57>

DOI: 10.1016/j.ijleo.2017.12.165

DOCUMENT TYPE: Article

SOURCE: Scopus

Bel-Hadj-Tahar, R., Abboud, M.

Structural development and kinetic analysis of PbTiO₃ powders processed at low-temperature via new sol-gel approach

(2018) Solid State Sciences, 78, pp. 74-85.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042493752&doi=10.1016%2fj.solidstatesciences.2018.02.002&partnerID=40&md5=e49f1d07fd9c5c1f21a573ead6559b7d>

DOI: 10.1016/j.solidstatesciences.2018.02.002

DOCUMENT TYPE: Article

SOURCE: Scopus

Partap, S., Akhtar, M.J., Yar, M.S., Hassan, M.Z., Siddiqui, A.A.

Pyridazinone hybrids: Design, synthesis and evaluation as potential anticonvulsant agents

(2018) Bioorganic Chemistry, 77, pp. 74-83.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040375462&doi=10.1016%2fj.bioorg.2018.01.001&partnerID=40&md5=a84e78d84a58ce3c1628d7e08e14c220>

DOI: 10.1016/j.bioorg.2018.01.001

DOCUMENT TYPE: Article

SOURCE: Scopus

Pandey, K., Raval, D., Kalam, A., Kumar, M., Kumar, M., Kim, J., Yadav, P.

Electro-analytical method for the quantities evaluation of the silicon solar cell by DC and AC characterization technique

(2018) Materials Research Bulletin, 100, pp. 440-445.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040240045&doi=10.1016%2fj.materresbull.2018.01.004&partnerID=40&md5=145eb00192805e8387dcc95f4036f57e>

DOI: 10.1016/j.materresbull.2018.01.004

DOCUMENT TYPE: Article

SOURCE: Scopus

Mansouri, S., Coskun, B., El Mir, L., Al-Sehemi, A.G., Al-Ghamdi, A., Yakuphanoglu, F.

Graphene Oxide/Poly(3-hexylthiophene) Nanocomposite Thin-Film Phototransistor for Logic Circuit Applications

(2018) Journal of Electronic Materials, 47 (4), pp. 2461-2467.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042728297&doi=10.1007%2fs11664-018-6081-4&partnerID=40&md5=0513e130894998a57a63f376035d952d>

DOI: 10.1007/s11664-018-6081-4

DOCUMENT TYPE: Article

SOURCE: Scopus

Irfan, A., Abbas, G.

Exploring the Photovoltaic Properties of Metal Bipyridine Complexes (Metal = Fe, Zn, Cr, and Ru) by Density Functional Theory

(2018) Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, 73 (4), pp. 337-344.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042350336&doi=10.1515%2fzna-2017-0406&partnerID=40&md5=2ad2fa8a13fc046bc6b246ffac81f313>

DOI: 10.1515/zna-2017-0406

DOCUMENT TYPE: Article

SOURCE: Scopus

Alshehri, A.A., Alhanash, A.M., Eissa, M., Hamdy, M.S.

New catalysts with dual-functionality for cyclohexane selective oxidation

(2018) Applied Catalysis A: General, 554, pp. 71-79.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041483870&doi=10.1016%2fj.apcata.2018.01.025&partnerID=40&md5=aa0cefdc1cc06a89e0d16eac3faa208a>

DOI: 10.1016/j.apcata.2018.01.025

DOCUMENT TYPE: Article

SOURCE: Scopus

Shkir, M., Irfan, A., AlFaify, S., Ganesh, V., Arora, M., Muhammad, S., Al-Sehemi, A.G., Yahia, I.S.

Key optoelectronic properties of Diiodo-bis(carbamide)-zinc(II): An experimental and computational investigation

(2018) Journal of Molecular Structure, 1156, pp. 146-155.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034971957&doi=10.1016%2fj.molstruc.2017.11.074&partnerID=40&md5=438ab3e01f244c50709cb73d455c6e70>

DOI: 10.1016/j.molstruc.2017.11.074

DOCUMENT TYPE: Article

SOURCE: Scopus

Aslan, N., Koç, M.M., Dere, A., Arif, B., Erkovan, M., Al-Sehemi, A.G., Al-Ghamdi, A.A., Yakuphanoglu, F.

Ti doped amorphous carbon (Al/Ti-a:C/p-Si/Al) photodiodes for optoelectronic applications

(2018) Journal of Molecular Structure, 1155, pp. 813-818.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034863355&doi=10.1016%2fj.molstruc.2017.11.050&partnerID=40&md5=d0cf5c29003dcc3fdebc38c121b7c211>

DOI: 10.1016/j.molstruc.2017.11.050

DOCUMENT TYPE: Article

SOURCE: Scopus

Bondock, S., Fouda, A.M.

Synthesis and evaluation of some new 5-(hetaryl)thiazoles as potential antimicrobial agents

(2018) Synthetic Communications, 48 (5), pp. 561-573.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041494992&doi=10.1080%2f00397911.2017.1412465&partnerID=40&md5=8b9dfde435282211479ccdfa53eb8058>

DOI: 10.1080/00397911.2017.1412465

DOCUMENT TYPE: Article

SOURCE: Scopus

Bani-Fwaz, M.Z., Fazary, A.E.

Commentary on the Synthesis and Structures of Unsupported Cycloarsoxane Compounds

(2018) Comments on Inorganic Chemistry, 38 (2), pp. 36-53.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041003680&doi=10.1080%2f02603594.2018.1423618&partnerID=40&md5=56df7527f3d20df49dd86358219716a5>

DOI: 10.1080/02603594.2018.1423618

DOCUMENT TYPE: Note

SOURCE: Scopus

Hichri, F., Omri, A., Hossan, A.S.M., Flamini, G., Ben Jannet, H.

Chemical composition and biological evaluation of the Tunisian *Achillea cretica* L. essential oils

(2018) *Journal of Essential Oil Research*, 30 (2), pp. 105-112.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032834391&doi=10.1080%2f10412905.2017.1391720&partnerID=40&md5=ffb81f536634200168a652ada7fa802f>

DOI: 10.1080/10412905.2017.1391720

DOCUMENT TYPE: Article

SOURCE: Scopus

Fazary, A.E., Bani-Fwaz, M.Z., Fawy, K.F., Abd-Rabboh, H.S.M.

Levaquin drug complexing property towards platinum and palladium metal ions: Thermodynamic studies in aqueous solutions

(2018) *Journal of Molecular Liquids*, 253, pp. 178-187.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040311253&doi=10.1016%2fj.molliq.2018.01.036&partnerID=40&md5=cb16ee302e3ebf3193100565665004f9>

DOI: 10.1016/j.molliq.2018.01.036

DOCUMENT TYPE: Article

SOURCE: Scopus

Fazary, A.E., Fawy, K.F., Bani-Fwaz, M.Z., Sahlabji, T., Abd-Rabboh, H.S.M.

Thermodynamic studies on metal ions – Ninhydrin – Glycine interactions in aqueous solutions

(2018) *Journal of Chemical Thermodynamics*, 118, pp. 302-315.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85039158896&doi=10.1016%2fj.jct.2017.12.005&partnerID=40&md5=ca7760118d4f067fedd2c9b6df8ff846>

DOI: 10.1016/j.jct.2017.12.005

DOCUMENT TYPE: Article

SOURCE: Scopus

Irfan, A., Mahmood, A.

Designing of Efficient Acceptors for Organic Solar Cells: Molecular Modelling at DFT Level

(2018) Journal of Cluster Science, 29 (2), pp. 359-365.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040707008&doi=10.1007%2fs10876-018-1338-x&partnerID=40&md5=0df968b4bd1b0b7e10ada5d3fc145eac>

DOI: 10.1007/s10876-018-1338-x

DOCUMENT TYPE: Article

SOURCE: Scopus

Kalam, A., Al-Sehemi, A.G., Assiri, M., Du, G., Ahmad, T., Ahmad, I., Pannipara, M.

Modified solvothermal synthesis of cobalt ferrite (CoFe₂O₄) magnetic nanoparticles photocatalysts for degradation of methylene blue with H₂O₂/visible light

(2018) Results in Physics, 8, pp. 1046-1053.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85044379260&doi=10.1016%2fj.rinp.2018.01.045&partnerID=40&md5=458e497ee4175533bedc68c48ced4dbc>

DOI: 10.1016/j.rinp.2018.01.045

DOCUMENT TYPE: Article

SOURCE: Scopus

Shkir, M., Muhammad, S., AlFaify, S., Irfan, A., Khan, M.A., Al-Sehemi, A.G., Yahia, I.S., Singh, B., Bdkin, I.

A comparative study of key properties of glycine glycinium picrate (GGP) and glycinium picrate (GP): A combined experimental and quantum chemical approach

(2018) Journal of Saudi Chemical Society, 22 (3), pp. 352-362.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84973547704&doi=10.1016%2fj.jscs.2016.05.003&partnerID=40&md5=8277e7501ed62df8226c4149fed6701>

DOI: 10.1016/j.jscs.2016.05.003

DOCUMENT TYPE: Article

SOURCE: Scopus

Jawed Ahsan, M., Meena, R., Dubey, S., Khan, V., Manda, S., Singh Jadav, S., Sharma, P., Geesi, M.H., Hassan, M.Z., Afroz Bakht, M., Riadi, Y., Akhter, M.H., Salahuddin, Gundla, R.

Synthesis and biological potentials of some new 1,3,4-oxadiazole analogues

(2018) Medicinal Chemistry Research, 27 (3), pp. 864-883.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034222776&doi=10.1007%2fs00044-017-2109-1&partnerID=40&md5=b1ede3e18505467668def2776a0b2a5d>

DOI: 10.1007/s00044-017-2109-1

DOCUMENT TYPE: Article

SOURCE: Scopus

Salem, M.A., Helel, M.H., Gouda, M.A., Ammar, Y.A., El-Gaby, M.S.A.

Overview on the synthetic routes to nicotine nitriles

(2018) Synthetic Communications, 48 (4), pp. 345-374.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040982645&doi=10.1080%2f00397911.2017.1394468&partnerID=40&md5=75694c4aeb4c5aeac68947f3b851a8a8>

DOI: 10.1080/00397911.2017.1394468

DOCUMENT TYPE: Review

SOURCE: Scopus

Ramzan, A., Siddiqui, S., Irfan, A., Al-Sehemi, A.G., Ahmad, A., Verpoort, F., Chughtai, A.H., Khan, M.A., Munawar, M.A., Basra, M.A.R.

Antiplatelet activity, molecular docking and QSAR study of novel N'-arylmethylidene-3-methyl-1-phenyl-6-p-chlorophenyl-1H-pyrazolo[3,4-b] pyridine-4-carbohydrazides

(2018) Medicinal Chemistry Research, 27 (2), pp. 388-405.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029592983&doi=10.1007%2fs00044-017-2053-0&partnerID=40&md5=8b3ef61baec23dd27fa56d8730326bfa>

DOI: 10.1007/s00044-017-2053-0

DOCUMENT TYPE: Article

SOURCE: Scopus

Benaissa, M., Alhanash, A.M., Mubarak, A.T., Eissa, M., Sahlabji, T., Hamdy, M.S.

Solvent-free hydrogenation of cyclohexene over Rh-TUD-1 at ambient conditions

(2018) RSC Advances, 8 (60), pp. 34370-34373.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85054927359&doi=10.1039%2fC8RA07639A&partnerID=40&md5=6db320d7cc792b96f06af963b9a9677c>

DOI: 10.1039/C8RA07639A

DOCUMENT TYPE: Article

SOURCE: Scopus

Irfan, A.

Exploration of donor effect on electron injection and photovoltaic properties of chalcone derivatives

(2018) Materials Science- Poland, 36 (2), pp. 276-282.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058231141&doi=10.1515%2fmosp-2018-0030&partnerID=40&md5=f1dc4534b563067dd649dbe6825f02c6>

DOI: 10.1515/mosp-2018-0030

DOCUMENT TYPE: Article

SOURCE: Scopus

Keshk, S.M.A.S., Yahia, I.S.

Physicochemical characterization of different cellulose polymorphs/graphene oxide composites and their antibacterial activity

(2018) Turkish Journal of Chemistry, 42 (2), pp. 562-571.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047964955&doi=10.3906%2fkim-1708-41&partnerID=40&md5=5d926399be3f16e5b2724e71bbc66ae1>

DOI: 10.3906/kim-1708-41

DOCUMENT TYPE: Article

SOURCE: Scopus

Azad, I., Hassan, F., Saquib, M., Ahmad, N., Khan, A.R., Al-Sehemi, A.G., Nasibullah, M.

A critical review on advances in the multicomponent synthesis of pyrroles

(2018) Oriental Journal of Chemistry, 34 (4), pp. 1670-1700.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053123818&doi=10.13005%2fojc%2f340401&partnerID=40&md5=4b34a7a69865ab81d53fc72e4359fa59>

DOI: 10.13005/ojc/340401

DOCUMENT TYPE: Article

SOURCE: Scopus

Irfan, A., Al-Sehemi, A.G., Chaudhry, A.R., Muhammad, S.

The structural, electro-optical, charge transport and nonlinear optical properties of oxazole (4Z)-4-Benzylidene-2-(4-methylphenyl)-1,3-oxazol-5(4H)-one derivative

(2018) Journal of King Saud University - Science, 30 (1), pp. 75-82.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85006826739&doi=10.1016%2fj.jksus.2016.10.004&partnerID=40&md5=58edea0b6230a3dba50787fbe40eee3d>

DOI: 10.1016/j.jksus.2016.10.004

DOCUMENT TYPE: Article

SOURCE: Scopus

Fazary, A.E., Bani-Fwaz, M.Z., Fawy, K.F., Sahlabji, T., Awwad, N.S., Abd-Rabboh, H.S.M.

Raman spectra of copper, cobalt, and nickel complexes of nicotinic acid: Equilibrium studies

(2018) Bulletin of the Chemical Society of Ethiopia, 32 (3), pp. 459-467.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058024014&doi=10.4314%2fbcse.v32i3.5&partnerID=40&md5=7799533799173d4ada4d683652bf16d8>

DOI: 10.4314/bcse.v32i3.5

DOCUMENT TYPE: Article

SOURCE: Scopus

Lgaz, H., Salghi, R., Ali, I.H.

Corrosion inhibition behavior of 9-Hydroxyrisperidone as a green corrosion inhibitor for mild steel in hydrochloric acid: Electrochemical, DFT and MD simulations studies

(2018) International Journal of Electrochemical Science, 13 (1), pp. 250-264.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85040067408&doi=10.20964%2f2018.01.26&partnerID=40&md5=dbbcddd25856e477637b6cc483c44c85>

DOI: 10.20964/2018.01.26

DOCUMENT TYPE: Article

SOURCE: Scopus

Ogaly, H.A., Eltablawy, N.A., Abd-Elsalam, R.M.

Antifibrogenic influence of Mentha piperita L. essential oil against CCl₄-induced liver fibrosis in rats

(2018) Oxidative Medicine and Cellular Longevity, 2018, art. no. 4039753, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055081109&doi=10.1155%2f2018%2f4039753&partnerID=40&md5=fadd5c1e32fca3576d8acfe6ed0268e0>

DOI: 10.1155/2018/4039753

DOCUMENT TYPE: Article

SOURCE: Scopus

Sellami, M., Frikha, F., Aribi, A., Taktak, I., Miled, N., Rebah, F.B.

Optimization of wastewater based media for biopolymers production by rhizobium leguminosarum

(2018) Environmental Engineering and Management Journal, 17 (6), pp. 1329-1335.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85050246657&doi=10.30638%2feemj.2018.132&partnerID=40&md5=c9a770f6acbfd7ad9c58391ca50063cc>

DOI: 10.30638/eemj.2018.132

DOCUMENT TYPE: Article

SOURCE: Scopus

Waseem, M.A., Rather, R.A., Saquib, M., Ibad, A., Ibad, F., Ansari, K., Khuroo, M.A., Assiri, M.A., Siddiqui, I.R.

[bmlm]Br catalyzed tandem construction of C-C and C-O bonds: a concise, convenient and atom-economical strategy for the synthesis of spiropyranopiperidine derivatives

(2018) New Journal of Chemistry, 42 (14), pp. 11280-11284.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049750802&doi=10.1039%2fC8NJ00490K&partnerID=40&md5=f8ec175020e5fd9e9f70dd5fdc52469c>

DOI: 10.1039/C8NJ00490K

DOCUMENT TYPE: Article

SOURCE: Scopus

Rahman, M.M., Sheikh, T.A., El-Shishtawy, R.M., Arshad, M.N., Al-Zahrani, F.A.M., Asiri, A.M.

Fabrication of Sb³⁺ sensor based on 1,1'-(-(naphthalene-2,3-diylbis(azanylylidene))bis(methanylylidene))bis(naphthalen-2-ol)/nafion/glassy carbon electrode assembly by electrochemical approach

(2018) RSC Advances, 8 (35), pp. 19754-19764.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048055133&doi=10.1039%2fc8ra01827h&partnerID=40&md5=7924cc1e9f0f6cd77275562eec75aa45>

DOI: 10.1039/c8ra01827h

DOCUMENT TYPE: Article

SOURCE: Scopus

Irfan, A., Chaudhry, A.R., Al-Sehemi, A.G., Muhammad, S., Jin, R., Tang, S.

Tuning the charge transfer and optoelectronic properties of 4,6-di(thiophene-2-yl)pyrimidine via oligocenothiophene substitution

(2018) Archives of Metallurgy and Materials, 63 (4), pp. 1629-1636.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061215350&doi=10.24425%2famm.2018.125086&partnerID=40&md5=69324d68aa49a72c8ea5cd61596808eb>

DOI: 10.24425/amm.2018.125086

DOCUMENT TYPE: Article

SOURCE: Scopus

Wazzan, N., El-Shishtawy, R.M., Irfan, A.

DFT and TD-DFT calculations of the electronic structures and photophysical properties of newly designed pyrene-core arylamine derivatives as hole-transporting materials for perovskite solar cells

(2018) Theoretical Chemistry Accounts, 137 (1), art. no. 9, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85039048674&doi=10.1007%2fs00214-017-2183-y&partnerID=40&md5=7c9a27e9e9bfd741ed6d706a0f0c2c86>

DOI: 10.1007/s00214-017-2183-y

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Hazmi, G.A., Abou-Melha, K.S., El-Metwaly, N.M., Saleh, K.A.

Synthesis of Novel VO(II)-Perimidine Complexes: Spectral, Computational, and Antitumor Studies

(2018) Bioinorganic Chemistry and Applications, 2018, art. no. 7176040, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053669635&doi=10.1155%2f2018%2f7176040&partnerID=40&md5=4a0fd392ed64046ca94b7b24409359bc>

DOI: 10.1155/2018/7176040

DOCUMENT TYPE: Article

SOURCE: Scopus

El-Shishtawy, R.M., Decoppet, J.-D., Al-Zahrani, F.A.M., Cao, Y., Khan, S.B., Al-Ghamdi, M.S., Alhogbi, B.G., Asiri, A.M., Zakeeruddin, S.M., Grätzel, M.

Influence of redox electrolyte on the device performance of phenothiazine based dye sensitized solar cells

(2018) New Journal of Chemistry, 42 (11), pp. 9045-9050.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048021193&doi=10.1039%2fc8nj00803e&partnerID=40&md5=2040b44baa86b3fdd8f9c25133468d3f>

DOI: 10.1039/c8nj00803e

DOCUMENT TYPE: Article

SOURCE: Scopus

Ahmed, H.E.A., El-Nassag, M.A.A., Hassan, A.H., Okasha, R.M., Ihmaid, S., Fouda, A.M., Afifi, T.H., Aljuhani, A., El-Agrody, A.M.

Introducing novel potent anticancer agents of 1H-benzo[f]chromene scaffolds, targeting c-Src kinase enzyme with MDA-MB-231 cell line anti-invasion effect

(2018) Journal of Enzyme Inhibition and Medicinal Chemistry, 33 (1), pp. 1074-1088.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85048836281&doi=10.1080%2f14756366.2018.1476503&partnerID=40&md5=d2e01f97f2ae5756296633230d36fce1>

DOI: 10.1080/14756366.2018.1476503

DOCUMENT TYPE: Article

SOURCE: Scopus

Abbas, G., Irfan, A., Hameed, S., Al-Sehemi, A.G., Jin, R., Tang, S.

Synthesis and characterisation of two new bicyclic oxazolidines and investigation of their optoelectronic properties using density functional theory

(2018) Journal of the National Science Foundation of Sri Lanka, 46 (2), pp. 197-204.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049524504&doi=10.4038%2fjnsfsr.v46i2.8420&partnerID=40&md5=df98109cca1f0996a1e81601fac58572>

DOI: 10.4038/jnsfsr.v46i2.8420

DOCUMENT TYPE: Article

SOURCE: Scopus

Okasha, R.M., Alblewi, F.F., Assiri, M.A., Amr, A.E.-G.E., Ghabbour, H.A., Afifi, T.H., El-Agrody, A.M.

Crystal structure and spectral studies of 3-amino-9-methoxy-1-(4-methoxyphenyl)-1H-benzo[f]chromene-2-carbonitrile

(2018) Journal of Computational and Theoretical Nanoscience, 15 (6-7), pp. 1835-1838.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85057430873&doi=10.1166%2fjctn.2018.7319&partnerID=40&md5=adda687cfba841c77db4f25cad60328c>

DOI: 10.1166/jctn.2018.7319

DOCUMENT TYPE: Article

SOURCE: Scopus

Yahia, I.S., Keshk, S.M.A.S., AlFaify, S., El-Naggar, A.M., Abutalib, M.M.

Synthesis and characterization of wide-scale UV–vis CUT-OFF laser filter using methyl violet-6B/PMMA polymeric composite films

(2018) *Sensors and Actuators, A: Physical*, 269, pp. 388-393.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042234777&doi=10.1016%2fj.sna.2017.11.048&partnerID=40&md5=e4adb4a819bacd5932b8990f4170ec28>

DOI: 10.1016/j.sna.2017.11.048

DOCUMENT TYPE: Article

SOURCE: Scopus

Ahsan, M.J., Kumawat, R.K., Jadav, S.S., Geesi, M.H., Bakht, M.A., Hassan, M.Z., Al-Tamimi, A.B.S., Riadi, Y., Salahuddin, Hussain, A., Ganta, N.M., Khalilullah, H.

Synthesis, cytotoxic evaluation, and molecular docking studies of N-(7-hydroxy-4-methyl-2-oxoquinolin-1(2H)-yl)acetamide/benzamide analogues

(2018) *Letters in Drug Design and Discovery*, 16 (2), pp. 182-193.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85059263713&doi=10.2174%2f1570180815666180501160047&partnerID=40&md5=efd87bfd3eff798fa2b4dae5e48de631>

DOI: 10.2174/1570180815666180501160047

DOCUMENT TYPE: Article

SOURCE: Scopus

Tataroglu, A., Ocaya, R., Dere, A., Dayan, O., Serbetci, Z., Al-Sehemi, A.G., Soyly, M., Al-Ghamdi, A.A., Yakuphanoglu, F.

Ruthenium(II) Complex Based Photodiode for Organic Electronic Applications

(2018) *Journal of Electronic Materials*, 47 (1), pp. 828-833.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032009804&doi=10.1007%2fs11664-017-5882-1&partnerID=40&md5=edace39ea4bc4fc0a67348f300999b05>

DOI: 10.1007/s11664-017-5882-1

DOCUMENT TYPE: Article

SOURCE: Scopus