

Publications of Chemistry department: 2017

Wageh, S., Farooq, W.A., Tataroğlu, A., Dere, A., Al-Sehemi, A.G., Al-Ghamdi, A.A., Yakuphanoglu, F.

A photodiode based on PbS nanocrystallites for FYTRONIX solar panel automatic tracking controller

(2017) Physica B: Condensed Matter, 527, pp. 44-51.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85030662189&doi=10.1016%2fj.physb.2017.09.114&partnerID=40&md5=691fff3a2d6b4aa02e2688939b7d9487>

DOI: 10.1016/j.physb.2017.09.114

DOCUMENT TYPE: Article

SOURCE: Scopus

Mohamed, H., Haris, P.I., Brima, E.I.

Estimated dietary intakes of toxic elements from four staple foods in Najran city, Saudi Arabia

(2017) International Journal of Environmental Research and Public Health, 14 (12), art. no. 1575, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85038409483&doi=10.3390%2fijerph14121575&partnerID=40&md5=8bae970021e0a583872ba08214467ab8>

DOI: 10.3390/ijerph14121575

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Crystal structures and quantum chemical calculations of dichloro[4-(dimethylamino)phenyl]arsine and tris[4-(dimethylamino)phenyl]arsine

(2017) Journal of Molecular Structure, 1149, pp. 560-568.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028089865&doi=10.1016%2fj.molstruc.2017.08.020&partnerID=40&md5=2865aebbd98cdd93817d365634876ff1>

DOI: 10.1016/j.molstruc.2017.08.020

DOCUMENT TYPE: Article

SOURCE: Scopus

Mabkhot, Y.N., Alatibi, F., El-Sayed, N.N.E., Al-Showiman, S.S., Kheder, N.A., Ghabbour, H.A.

A facile synthesis and characterization of some new thiophene based heterocycles

(2017) Journal of Molecular Structure, 1149, pp. 736-743.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027588430&doi=10.1016%2fj.molstruc.2017.08.057&partnerID=40&md5=41639f8b46213aa3dadfaa6785196799>

DOI: 10.1016/j.molstruc.2017.08.057

DOCUMENT TYPE: Article

SOURCE: Scopus

Awwad, N.S., Alshahrani, A.M., Saleh, K.A., Hamdy, M.S.

A novel method to improve the anticancer activity of natural-based hydroxyapatite against the liver cancer cell line HepG2 using mesoporous magnesia as a micro-carrier

(2017) Molecules, 22 (12), art. no. 1947, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85035314738&doi=10.3390%2fmolecules22121947&partnerID=40&md5=a729dfd47810e556fd9085499e2e0a53>

DOI: 10.3390/molecules22121947

DOCUMENT TYPE: Article

SOURCE: Scopus

Abou Melha, K.S.A., Al-Hazmi, G.A.A., Refat, M.S.

Synthesis of Nano-Metric Gold Complexes with New Schiff Bases Derived from 4-Aminoantipyrene, Their Structures and Anticancer Activity

(2017) Russian Journal of General Chemistry, 87 (12), pp. 3043-3051.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042095476&doi=10.1134%2fS1070363217120519&partnerID=40&md5=3c2f96e34a71d3660b82034e2b4da478>

DOI: 10.1134/S1070363217120519

DOCUMENT TYPE: Letter

SOURCE: Scopus

Ali, A.Y.A., Idris, A.M., Eltayeb, M.A.H.

Uptake of heavy metals by seven green algae species at the Red Sea Coast

(2017) Fresenius Environmental Bulletin, 26 (12), pp. 7160-7171.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85046097818&partnerID=40&md5=076e92a376a43fff87d25996a3aba0fb>

DOCUMENT TYPE: Article

SOURCE: Scopus

Ben Amor, T., Bejaoui, I., Gritli, M., Ben Amor, M.

Fluoride removal from natural water by modified cationic resin

(2017) Research Journal of Chemistry and Environment, 21 (12), pp. 1-5.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85035137795&partnerID=40&md5=efaab4e6ed04ec5b04ee65462faa5830>

DOCUMENT TYPE: Article

SOURCE: Scopus

Nasr, T., Bondock, S., Youns, M., Fayad, W., Zagahry, W.

Synthesis, antitumor evaluation and microarray study of some new pyrazolo[3,4-d][1,2,3]triazine derivatives

(2017) European Journal of Medicinal Chemistry, 141, pp. 603-614.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032293506&doi=10.1016%2fj.ejmech.2017.10.016&partnerID=40&md5=37cf20440cb54ebeacf4f9748dd278c7>

DOI: 10.1016/j.ejmech.2017.10.016

DOCUMENT TYPE: Article

SOURCE: Scopus

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

On-body investigation of a compact planar antenna on multilayer polymer composite for body-centric wireless communications

(2017) AEU - International Journal of Electronics and Communications, 82, pp. 20-29.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034831382&doi=10.1016%2fj.aeue.2017.07.029&partnerID=40&md5=8e3e53d0ffddbe52c1108132655a7dea>

DOI: 10.1016/j.aeue.2017.07.029

DOCUMENT TYPE: Article

SOURCE: Scopus

Tajammal, A., Batool, M., Ramzan, A., Samra, M.M., Mahnoor, I., Verpoort, F., Irfan, A., Al-Sehemi, A.G., Munawar, M.A., Basra, M.A.R.

Synthesis, antihyperglycemic activity and computational studies of antioxidant chalcones and flavanones derived from 2,5 dihydroxyacetophenone

(2017) Journal of Molecular Structure, 1148, pp. 512-520.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026422459&doi=10.1016%2fj.molstruc.2017.07.042&partnerID=40&md5=aa20923715ad343181dfa8880df91afe>

DOI: 10.1016/j.molstruc.2017.07.042

DOCUMENT TYPE: Article

SOURCE: Scopus

Brima, E.I., AlBishri, H.M.

Correction to: Major and trace elements in water from different sources in Jeddah City, KSA (Arab J Geosci (2017), 10.1007/s12517-017-3221-8)

(2017) Arabian Journal of Geosciences, 10 (21), art. no. 475, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034241053&doi=10.1007%2fs12517-017-3249-9&partnerID=40&md5=466f655540c967c6d71f5cc936a34bb0>

DOI: 10.1007/s12517-017-3249-9

DOCUMENT TYPE: Erratum

SOURCE: Scopus

Yousif, M.N.M., El-Sayed, W.A., Abbas, H.-A.S., Awad, H.M., Yousif, N.M.

Anticancer activity of new substituted pyrimidines, their thioglycosides and thiazolopyrimidine derivatives

(2017) Journal of Applied Pharmaceutical Science, 7 (11), pp. 21-32.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85037033473&doi=10.7324%2fJAPS.2017.71104&partnerID=40&md5=ec6fc478f909ebffe198af314f9cf1be>

DOI: 10.7324/JAPS.2017.71104

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Tuning of optoelectronic and charge transport properties in star shaped anthracenothiophene-pyrimidine derivatives as multifunctional materials

(2017) Optik, 149, pp. 321-331.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029796502&doi=10.1016%2fj.ijleo.2017.09.065&partnerID=40&md5=049959475115b1bd0d98bcdf2a9ddddd6>

DOI: 10.1016/j.ijleo.2017.09.065

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Exploring the charge transfer nature and electro-optical properties of anthracene based sensitizers @TiO₂ cluster

(2017) Journal of the Taiwan Institute of Chemical Engineers, 80, pp. 239-246.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026216535&doi=10.1016%2fj.jtice.2017.07.003&partnerID=40&md5=0624c5ab0e122e0864b29ef259bdb8c9>

DOI: 10.1016/j.jtice.2017.07.003

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Fahemi, J.H., Saad, F.A., El-Metwaly, N.M., Farghaly, T.A., Elghalban, M.G., Saleh, K.A., Al-Hazmi, G.A.

Synthesis of Co(II), Cu(II), Hg(II), UO₂(II) and Pb(II) binuclear nanometric complexes from multi-donor ligand: Spectral, modeling, quantitative structure–activity relationship, docking and antitumor studies

(2017) Applied Organometallic Chemistry, 31 (11), art. no. e3787, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019471302&doi=10.1002%2faoc.3787&partnerID=40&md5=e9ab4be442c819d91506f7214fe6883a>

DOI: 10.1002/aoc.3787

DOCUMENT TYPE: Article

SOURCE: Scopus

Keshk, S.M.A.S., Ramadan, A.M., Al-Sehemi, A.G., Irfan, A., Bondock, S.

An unexpected reactivity during periodate oxidation of chitosan and the affinity of its 2, 3-di-aldehyde toward sulfa drugs

(2017) Carbohydrate Polymers, 175, pp. 565-574.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027493818&doi=10.1016%2fj.carbpol.2017.08.027&partnerID=40&md5=807fee327f453e121dc156619bb3f755>

DOI: 10.1016/j.carbpol.2017.08.027

DOCUMENT TYPE: Article

SOURCE: Scopus

Kalam, A., Al-Sehemi, A.G., Alrumman, S., Du, G., Pannipara, M., Assiri, M., Almalki, H., Moustafa, M.F.
Colorimetric Sensing of Toxic Metal and Antibacterial Studies by Using Bioextract Synthesized Silver Nanoparticles

(2017) Journal of Fluorescence, 27 (6), pp. 2045-2050.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026913830&doi=10.1007%2fs10895-017-2143-x&partnerID=40&md5=39ad3dddc57da3faa3da432dddb8aae>

DOI: 10.1007/s10895-017-2143-x

DOCUMENT TYPE: Article

SOURCE: Scopus

Jouili, A., Mansouri, S., Al-Sehemi, A.G., Al-Ghamdi, A.A., Mir, L.E., Yakuphanoglu, F.

Numerical studies of surface potential, mobility and Seebeck coefficient of organic thin film transistor based on 2,3 benzanthracene: Light effect

(2017) Synthetic Metals, 233, pp. 119-126.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032026673&doi=10.1016%2fj.synthmet.2017.10.006&partnerID=40&md5=88453a89f78bf3099a03bb3ce99a7f0>

DOI: 10.1016/j.synthmet.2017.10.006

DOCUMENT TYPE: Article

SOURCE: Scopus

Gomha, S.M., Abdelaziz, M.R., Kheder, N.A., Abdel-aziz, H.M., Alterary, S., Mabkhot, Y.N.

A facile access and evaluation of some novel thiazole and 1,3,4-thiadiazole derivatives incorporating thiazole moiety as potent anticancer agents

(2017) Chemistry Central Journal, 11 (1), art. no. 105, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85031501935&doi=10.1186%2fs13065-017-0335-8&partnerID=40&md5=6299b6459cebd085f22023b64932a8ea>

DOI: 10.1186/s13065-017-0335-8

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Synthesis, crystal structures, and quantum chemical calculations of trialkyl-substituted 1λ3,3λ3,5λ3-triphospha dewarbenzenes

(2017) Journal of Molecular Structure, 1146, pp. 380-401.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020422755&doi=10.1016%2fj.molstruc.2017.05.144&partnerID=40&md5=2b48c9f9eb0e000f2688f47d9da10e67>

DOI: 10.1016/j.molstruc.2017.05.144

DOCUMENT TYPE: Article

SOURCE: Scopus

Brima, E.I.

Toxic elements in different medicinal plants and the impact on human health

(2017) International Journal of Environmental Research and Public Health, 14 (10), art. no. 1209, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85031407730&doi=10.3390%2fijerph14101209&partnerID=40&md5=ec11ee36265d48ca123f9cb1c79532e5>

DOI: 10.3390/ijerph14101209

DOCUMENT TYPE: Article

SOURCE: Scopus

Said, T.O., El Zokm, G.M., Mohamed, L.A., Okbah, M.A., Soliman, N.F.

Distribution of organochlorines and ecological risks in surface sediments from El-Mex Bay, Mediterranean Sea

(2017) Human and Ecological Risk Assessment, 23 (7), pp. 1539-1552.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026506324&doi=10.1080%2f10807039.2017.1316184&partnerID=40&md5=f52824b69507c8c88b358a529cd9fb06>

DOI: 10.1080/10807039.2017.1316184

DOCUMENT TYPE: Article

SOURCE: Scopus

Brima, E.I., AlBishri, H.M.

Major and trace elements in water from different sources in Jeddah City, KSA

(2017) Arabian Journal of Geosciences, 10 (19), art. no. 436, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85030856671&doi=10.1007%2fs12517-017-3221-8&partnerID=40&md5=e91b2dae64e2dda1d45a50215d2cc1fa>

DOI: 10.1007/s12517-017-3221-8

DOCUMENT TYPE: Article

SOURCE: Scopus

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

A comparative analysis of the optical and nonlinear optical properties of cross-shaped chromophores: Quantum chemical approach

(2017) Optik, 147, pp. 439-445.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028701677&doi=10.1016%2fj.ijleo.2017.08.104&partnerID=40&md5=d096dbfb634d4085b3809303656a20f1>

DOI: 10.1016/j.ijleo.2017.08.104

DOCUMENT TYPE: Article

SOURCE: Scopus

Shkir, M., AlFaify, S., Yahia, I.S., Hamdy, M.S., Ganesh, V., Algarni, H.

Facile hydrothermal synthesis and characterization of cesium-doped Pbl₂ nanostructures for optoelectronic, radiation detection and photocatalytic applications

(2017) Journal of Nanoparticle Research, 19 (10), art. no. 328, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029925313&doi=10.1007%2fs11051-017-4020-6&partnerID=40&md5=cf5d7f8b2587a73171c2bfed23cebc68>

DOI: 10.1007/s11051-017-4020-6

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Naphthalene based AIE active stimuli-responsive material as rewritable media for temporary communication

(2017) Optical Materials, 72, pp. 442-446.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021391542&doi=10.1016%2fj.optmat.2017.06.037&partnerID=40&md5=eda0e0b4995cbb2d939b95ae88a281b7>

DOI: 10.1016/j.optmat.2017.06.037

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Sehemi, A.G., Al-Ghamdi, A.A., Dishovsky, N., Nickolov, R.N., Atanasov, N.T., Manoilova, L.T.

Effect of activated carbons on the dielectric and microwave properties of natural rubber based composites

(2017) *Materials Research*, 20 (5), pp. 1211-1220.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85031290557&doi=10.1590%2f1980-5373-MR-2017-0378&partnerID=40&md5=65e2fca9cc4114bca91032ee22454057>

DOI: 10.1590/1980-5373-MR-2017-0378

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Dye based photodiodes for solar energy applications

(2017) *Applied Physics A: Materials Science and Processing*, 123 (10), art. no. 622, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029024443&doi=10.1007%2fs00339-017-1221-x&partnerID=40&md5=27ecd22a318eb4ec40e048d0e7b1ff30>

DOI: 10.1007/s00339-017-1221-x

DOCUMENT TYPE: Article

SOURCE: Scopus

Ebrahim, A.M., Bounouira, H., Abdassalam, M., Shiekheldin, E., Joda, A., Embarch, K., Bounakhla, M., Idris, A.M., Michalke, B.

Integration of instrumental neutron activation analysis and inductively coupled plasma-optical emission spectrometry with mathematical modeling for the elemental analysis of plants

(2017) *Instrumentation Science and Technology*, 45 (5), pp. 525-540.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85012306175&doi=10.1080%2f10739149.2016.1278018&partnerID=40&md5=e5a45bed141c47bd041ff76db6d691eb>

DOI: 10.1080/10739149.2016.1278018

DOCUMENT TYPE: Article

SOURCE: Scopus

Gomha, S.M., El-Hashash, M.A., Edrees, M.M., El-Arab, E.E.

Synthesis, Characterization, and Molecular Docking of Novel bis-thiazolyl Thienothiophene Derivatives as Promising Cytotoxic Antitumor Drug

(2017) Journal of Heterocyclic Chemistry, 54 (5), pp. 2686-2695.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017587791&doi=10.1002%2fjhet.2869&partnerID=40&md5=53623b48000916e730b104119d9ae596>

DOI: 10.1002/jhet.2869

DOCUMENT TYPE: Article

SOURCE: Scopus

Althagafi, I., Elghalban, M.G., Saad, F., Al-Fahemi, J.H., El-Metwaly, N.M., Bondock, S., Almazroai, L., Saleh, K.A., Al-Hazmi, G.A.

Spectral characterization, CT-DNA binding, DFT/B3LYP, molecular docking and antitumor studies for new nano-sized VO(II)-hydrazonoyl complexes

(2017) Journal of Molecular Liquids, 242, pp. 662-677.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85025470806&doi=10.1016%2fj.molliq.2017.06.113&partnerID=40&md5=8a4daf8fd11f6871ff990ea706345ed8>

DOI: 10.1016/j.molliq.2017.06.113

DOCUMENT TYPE: Article

SOURCE: Scopus

Helal, M.H., Salem, M.A., Aly, H.M.

Synthesis, Antimicrobial Activity and Molecular Modeling of Some Novel 5-Aminopyrazole, Pyrazolo[1,5-a]pyrimidine, Bispyrazole and Bispyridone Derivatives Containing Antipyrinyl Moiety

(2017) Journal of Heterocyclic Chemistry, 54 (5), pp. 2614-2626.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017384334&doi=10.1002%2fjhet.2858&partnerID=40&md5=6c7c731f0d262b685beaef631c556311>

DOI: 10.1002/jhet.2858

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Analysis of photoconductive mechanisms of organic-on-inorganic photodiodes

(2017) *Physica E: Low-Dimensional Systems and Nanostructures*, 93, pp. 284-290.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021694740&doi=10.1016%2fj.physe.2017.06.024&partnerID=40&md5=e141bcae15d4a7321e9c388688695053>

DOI: 10.1016/j.physe.2017.06.024

DOCUMENT TYPE: Article

SOURCE: Scopus

Dere, A., Tatarođlu, A., Al-Sehemi, A.G., Al-Ghamdi, A.A., El-Tantawy, F.F., Farooq, W.A., Yakuphanoglu, F.

A functional material based photodiode for solar tracking systems

(2017) *Physica B: Condensed Matter*, 520, pp. 76-81.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020480081&doi=10.1016%2fj.physb.2017.04.013&partnerID=40&md5=c6682a3887b892a1ab73262cb69dbb0c>

DOI: 10.1016/j.physb.2017.04.013

DOCUMENT TYPE: Article

SOURCE: Scopus

Tataroğlu, A., Al-Sehemi, A.G., Özdemir, M., Özdemir, R., Usta, H., Al-Ghamdi, A.A., Farooq, W.A., Yakuphanoglu, F.

Frequency and electric field controllable photodevice: FYTRONIX device

(2017) *Physica B: Condensed Matter*, 519, pp. 53-58.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019661564&doi=10.1016%2fj.physb.2017.05.046&partnerID=40&md5=17ff93173610358680a55ea51b0efb01>

DOI: 10.1016/j.physb.2017.05.046

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Flexible and small wearable antenna for wireless body area network applications

(2017) *Journal of Electromagnetic Waves and Applications*, 31 (11-12), pp. 1063-1082.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020734524&doi=10.1080%2f09205071.2017.1336492&partnerID=40&md5=28713d29466c970f23dac6cc592e492c>

DOI: 10.1080/09205071.2017.1336492

DOCUMENT TYPE: Article

SOURCE: Scopus

Pannipara, M., Al-Sehemi, A.G., Kalam, A., Asiri, A.M., Arshad, M.N.

AIE active turn-off fluorescent probe for the detection of Cu²⁺ ions

(2017) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 183, pp. 84-89.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017676487&doi=10.1016%2fj.saa.2017.04.045&partnerID=40&md5=6f94dc3d98df7a189bbaa5e6084fe20a>

DOI: 10.1016/j.saa.2017.04.045

DOCUMENT TYPE: Article

SOURCE: Scopus

Brima, E.I.

Detection of cytological changes in oral mucosa among users of smokeless tobacco (shamma) in the KSA
(2017) *Diagnostic Cytopathology*, 45 (8), pp. 693-699.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85024364733&doi=10.1002%2fdc.23745&partnerID=40&md5=5d9caa09f42e93cef165398d85c07b36>

DOI: 10.1002/dc.23745

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Exploring the potential of boron-doped nanographene as efficient charge transport and nonlinear optical material: A first-principles study

(2017) *Journal of Molecular Graphics and Modelling*, 75, pp. 209-219.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020028783&doi=10.1016%2fj.jmgm.2017.05.017&partnerID=40&md5=4d446d25f32f80821f94acc69fc347b0>

DOI: 10.1016/j.jmgm.2017.05.017

DOCUMENT TYPE: Article

SOURCE: Scopus

Fazary, A.E., Ju, Y.-H., Abd-Rabboh, H.S.M.

How does chromatin package DNA within nucleus and regulate gene expression?

(2017) *International Journal of Biological Macromolecules*, 101, pp. 862-881.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017184200&doi=10.1016%2fj.ijbiomac.2017.03.165&partnerID=40&md5=053d2962a6518cb8c6756ebe12516f6e>

DOI: 10.1016/j.ijbiomac.2017.03.165

DOCUMENT TYPE: Review

SOURCE: Scopus

Fouda, A.M., Amr, A.E.-G.E., El-Agrody, A.M., Al-Omar, M.A., Ghabbour, H.A.

Spectroscopic data, single x-ray and antimicrobial activity of microwave synthesized 3-amino-8-bromo-1-(2,5-dichlorophenyl)-1H-Benzo[f]Chromene-2-Carbonitrile

(2017) Journal of Computational and Theoretical Nanoscience, 14 (8), pp. 3831-3836.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028080019&doi=10.1166%2fjctn.2017.6681&partnerID=40&md5=5bcfded1e93a7d032c5bd4a0b40ffa4da>

DOI: 10.1166/jctn.2017.6681

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Computational study of structural, optoelectronic and nonlinear optical properties of dynamic solid-state chalcone derivatives

(2017) Journal of Molecular Graphics and Modelling, 75, pp. 355-364.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021241992&doi=10.1016%2fj.jmgm.2017.05.012&partnerID=40&md5=87501b3f9c44da9af5013f2d4f3011ca>

DOI: 10.1016/j.jmgm.2017.05.012

DOCUMENT TYPE: Article

SOURCE: Scopus

Fouda, A.M., Amr, A.E.-G.E., El-Agrody, A.M., Al-Omar, M.A., Ghabbour, H.A.

Crystal structure of 3-amino-8-methoxy-1-(4-methoxy phenyl)-1H-benzo[f]chromene-2-carbonitrile, C₂₂H₁₈N₂O₃

(2017) Zeitschrift fur Kristallographie - New Crystal Structures, 232 (4), pp. 567-569.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85023635094&doi=10.1515%2fncrs-2016-0341&partnerID=40&md5=ed299c6578974e87ceb96c76446f49bd>

DOI: 10.1515/ncrs-2016-0341

DOCUMENT TYPE: Article

SOURCE: Scopus

Muhammad, Z.A., Edrees, M.M., Faty, R.A.M., Gomha, S.M., Alterary, S.S., Mabkhot, Y.N.

Synthesis, Antitumor Evaluation and Molecular Docking of New Morpholine Based Heterocycles

(2017) Molecules (Basel, Switzerland), 22 (7), .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045425635&doi=10.3390%2fmolecules22071211&partnerID=40&md5=3d06fddc1b14d9c5f9084daa650b2923>

DOI: 10.3390/molecules22071211

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Synthesis and crystal structures of dialkyl[1,1-bis(alkylchloroalanyl)organylmethyl]phosphine•dialkylchloroalane(1/1) complexes

(2017) Journal of Coordination Chemistry, 70 (13), pp. 2224-2248.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85022022789&doi=10.1080%2f00958972.2017.1346248&partnerID=40&md5=1279c6fd2a6d789e7053c2c09840854e>

DOI: 10.1080/00958972.2017.1346248

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Sehemi, A.G., Irfan, A., Alfaifi, M., Fouda, A.M., Ma'mon El-Gogary, T., Ibrahim, D.A.

Computational study and in vitro evaluation of the anti-proliferative activity of novel naproxen derivatives

(2017) Journal of King Saud University - Science, 29 (3), pp. 311-319.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85011310436&doi=10.1016%2fj.jksus.2017.01.003&partnerID=40&md5=dd44704e711bc106b84b77aee804796c>

DOI: 10.1016/j.jksus.2017.01.003

DOCUMENT TYPE: Article

SOURCE: Scopus

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

The effects of different sewage sludge amendment rates on the heavy metal bioaccumulation, growth and biomass of cucumbers (*Cucumis sativus* L.)

(2017) Environmental Science and Pollution Research, 24 (19), pp. 16371-16382.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019729280&doi=10.1007%2fs11356-017-9289-6&partnerID=40&md5=c5515b3ebc0c780ed40d17a2f077153d>

DOI: 10.1007/s11356-017-9289-6

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Sehemi, A.G., Al-Ghamdi, A.A., Dishovsky, N.T., Malinova, P.A., Atanasov, N.T., Atanasova, G.L.

Analysis of the electrical and magnetic properties of elastomeric composites and their applicability in small flexible wearable antennas

(2017) Materials Research Express, 4 (7), art. no. 076304, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027187133&doi=10.1088%2f2053-1591%2faa7ca0&partnerID=40&md5=280951c1c43e5f5bb5f5a64d0f68c816>

DOI: 10.1088/2053-1591/aa7ca0

DOCUMENT TYPE: Article

SOURCE: Scopus

Lgaz, H., Subrahmanya Bhat, K., Salghi, R., Shubhalaxmi, Jodeh, S., Algarra, M., Hammouti, B., Ali, I.H., Essamri, A.

Insights into corrosion inhibition behavior of three chalcone derivatives for mild steel in hydrochloric acid solution

(2017) Journal of Molecular Liquids, 238, pp. 71-83.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018381379&doi=10.1016%2fj.molliq.2017.04.124&partnerID=40&md5=f4c7cf8e1fd6a1d1993ea4e10db6535f>

DOI: 10.1016/j.molliq.2017.04.124

DOCUMENT TYPE: Article

SOURCE: Scopus

Elgazzar, E., Dayan, O., Serbetci, Z., Dere, A., Al-Sehemi, A.G., Al-Ghamdi, A.A., El-Tantawy, F., Farooq, W.A., Yakuphanoglu, F.

Heteroleptic neutral Ru(II) complexes based photodiodes

(2017) Physica B: Condensed Matter, 516, pp. 7-13.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017589963&doi=10.1016%2fj.physb.2017.03.038&partnerID=40&md5=c27a86cf0ad603d6d5b833c9b73c4be4>

DOI: 10.1016/j.physb.2017.03.038

DOCUMENT TYPE: Article

SOURCE: Scopus

Elgazzar, E., Dere, A., Özen, F., Koran, K., Al-Sehemi, A.G., Al-Ghamdi, A.A., Orhan Görgülü, A., El-Tantawy, F., Yakuphanoglu, F.

Design and fabrication of dioxyphenylcoumarin substituted cyclotriphosphazene compounds photodiodes

(2017) *Physica B: Condensed Matter*, 515, pp. 8-17.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85016966351&doi=10.1016%2fj.physb.2017.03.025&partnerID=40&md5=1d1ea35c0972e6bc6d7bd717b1288343>

DOI: 10.1016/j.physb.2017.03.025

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Sehemi, A.G., Mensah-Darkwa, K., Al-Ghamdi, A.A., Soyulu, M., Gupta, R.K., Yakuphanoglu, F.

Composite CuFe_{1-x}Sn_xO₂/p-type silicon photodiodes

(2017) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 180, pp. 110-118.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85014638919&doi=10.1016%2fj.saa.2017.03.004&partnerID=40&md5=9bc810aac5f47559677686c0b3934369>

DOI: 10.1016/j.saa.2017.03.004

DOCUMENT TYPE: Article

SOURCE: Scopus

Emam, D.R., Alhajoj, A.M., Elattar, K.M., Kheder, N.A., Fadda, A.A.

Synthesis and evaluation of curcuminoid analogues as antioxidant and antibacterial agents

(2017) *Molecules*, 22 (6), art. no. 971, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021143559&doi=10.3390%2fmolecules22060971&partnerID=40&md5=fbe8549a22c4487fb233e21fefafc7c3>

DOI: 10.3390/molecules22060971

DOCUMENT TYPE: Article

SOURCE: Scopus

Gomha, S.M., Muhammad, Z.A., Edrees, M.M.

Ethyl 7-methyl-1-(4-nitrophenyl)-5-phenyl-3-(thiophen-2-yl)-1,5-dihydro-[1,2,4]triazolo [4,3-a]pyrimidine-6-carboxylate

(2017) MolBank, 2017 (2), art. no. M942, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020759656&doi=10.3390%2fM942&partnerID=40&md5=3a5f633561a7aec7ce5121964b71945d>

DOI: 10.3390/M942

DOCUMENT TYPE: Note

SOURCE: Scopus

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

First principles study of the n-channel thiophene based heterocyclic chalcones

(2017) Optik, 138, pp. 349-358.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85016421465&doi=10.1016%2fj.ijleo.2017.03.070&partnerID=40&md5=66c85f090c11f0c12ca8a4411f2a1c39>

DOI: 10.1016/j.ijleo.2017.03.070

DOCUMENT TYPE: Article

SOURCE: Scopus

Saad, F.A., Elghalban, M.G., Al-Fahemi, J.H., Yarkandy, N., El-Metwaly, N.M., Abou-Melha, K.S., Al-Hazmi, G.A., Saleh, K.A.

Simulative aurintricarboxylic acid molecular docking with antitumor activity for its VO(II), Cr(III), Mn(II) and Fe(III) complexes, HF/DFT modeling and elaborated EPR studies

(2017) Journal of Thermal Analysis and Calorimetry, 128 (3), pp. 1565-1578.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009863203&doi=10.1007%2fs10973-016-6054-x&partnerID=40&md5=eb982c7ccd5a2bee4047e8c0c55fd0d6>

DOI: 10.1007/s10973-016-6054-x

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Shamary, D.S., Al-Alshaikh, M.A., Kheder, N.A., Mabkhot, Y.N., Badshah, S.L.

Molecular docking and biological evaluation of some thioxoquinazolin-4(3H)-one derivatives as anticancer, antioxidant and anticonvulsant agents

(2017) Chemistry Central Journal, 11 (1), art. no. 48, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020050973&doi=10.1186%2fs13065-017-0272-6&partnerID=40&md5=59f0e0bb2ac437f83e3ec0011926b751>

DOI: 10.1186/s13065-017-0272-6

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Sehemi, A.G., Al-Amri, R.S.A.A., Irfan, A.

Synthesis, characterization and density functional theory investigations of the N,N-diacylaniline derivatives

(2017) Arabian Journal of Chemistry, 10, pp. S1847-S1854.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84880909904&doi=10.1016%2fj.arabjc.2013.07.011&partnerID=40&md5=2399baef6fb1a928dbdb75053000c5c8>

DOI: 10.1016/j.arabjc.2013.07.011

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Effect of donor and acceptor groups on radical scavenging activity of phenol by density functional theory

(2017) Arabian Journal of Chemistry, 10, pp. S1703-S1710.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84879618966&doi=10.1016%2fj.arabjc.2013.06.019&partnerID=40&md5=c615018b0eed73702cb15e4e553d7e88>

DOI: 10.1016/j.arabjc.2013.06.019

DOCUMENT TYPE: Article

SOURCE: Scopus

Kheder, N.A., Farghaly, T.A.R.

Bis-Hydrazoneyl chloride as precursors for synthesis of novel polysubstituted bis-azoles

(2017) Arabian Journal of Chemistry, 10, pp. S3007-S3014.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84889250794&doi=10.1016%2fj.arabjc.2013.11.040&partnerID=40&md5=305a9b1388f9663cec12399f98671b14>

DOI: 10.1016/j.arabjc.2013.11.040

DOCUMENT TYPE: Article

SOURCE: Scopus

Mohamed, H.M., Fouda, A.M., Khattab, E.S.A.E.H., El-Agrody, A.M., Afifi, T.H.

Synthesis, in-vitro cytotoxicity of 1H-benzo[f]chromene derivatives and structure-activity relationships of the 1-aryl group and 9-position

(2017) Zeitschrift fur Naturforschung - Section C Journal of Biosciences, 72 (5-6), pp. 161-171.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018446929&doi=10.1515%2fznc-2016-0139&partnerID=40&md5=395f4b86063ccfd068c0c9c96ae55c1e>

DOI: 10.1515/znc-2016-0139

DOCUMENT TYPE: Article

SOURCE: Scopus

Pannipara, M., Al-Sehemi, A.G., Kalam, A., Mohammed Musthafa, T.N.

Photophysics of Dihydroquinazolinone Derivatives: Experimental and Theoretical Studies

(2017) Journal of Fluorescence, 27 (3), pp. 1161-1170.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85015665827&doi=10.1007%2fs10895-017-2051-0&partnerID=40&md5=860b6fd2d09be75d7bee63aaeed999f5>

DOI: 10.1007/s10895-017-2051-0

DOCUMENT TYPE: Article

SOURCE: Scopus

Azaza, H., Mechi, L., Doggaz, A., Optasanu, V., Tlili, M., Amor, M.B.

Calcite and barite precipitation in CaCO₃-BaSO₄-NaCl and BaSO₄-NaCl-CaCl₂ aqueous systems: kinetic and microstructural study

(2017) Arabian Journal of Geosciences, 10 (10), art. no. 220, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019198742&doi=10.1007%2fs12517-017-3005-1&partnerID=40&md5=0d87404150ef0f1dd7891fafb5d90866>

DOI: 10.1007/s12517-017-3005-1

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Preparation and characterization of PVA/Congo red polymeric composite films for a wide scale laser filters

(2017) Optics and Laser Technology, 90, pp. 197-200.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85007240103&doi=10.1016%2fj.optlastec.2016.10.008&partnerID=40&md5=027bef153efafbad54be92e17e88af48>

DOI: 10.1016/j.optlastec.2016.10.008

DOCUMENT TYPE: Article

SOURCE: Scopus

Williams, R.V., Al-Sehemi, A.G., Meier, A.K., Brown, Z.Z., Armantrout, J.R.

The Role of Strain in the Homoaromatization of Semibullvalenes

(2017) *Journal of Organic Chemistry*, 82 (8), pp. 4136-4147.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018512667&doi=10.1021%2facsc.joc.7b00043&partnerID=40&md5=14c536a38a350f9dad9264efb46b85c5>

DOI: 10.1021/acs.joc.7b00043

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Effects of different sewage sludge applications on heavy metal accumulation, growth and yield of spinach (*Spinacia oleracea* L.)

(2017) *International Journal of Phytoremediation*, 19 (4), pp. 340-347.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009769368&doi=10.1080%2f15226514.2016.1225286&partnerID=40&md5=3e4787a38b9847834c2bce834964befd>

DOI: 10.1080/15226514.2016.1225286

DOCUMENT TYPE: Article

SOURCE: Scopus

El-Agrody, A.M., Fouda, A.M., Khattab, E.S.A.E.H.

Halogenated 2-amino-4H-benzo[h]chromene derivatives as antitumor agents and the relationship between lipophilicity and antitumor activity

(2017) *Medicinal Chemistry Research*, 26 (4), pp. 691-700.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85009911248&doi=10.1007%2fs00044-016-1773-x&partnerID=40&md5=0f70570e3156c00db2e8b299a0ec8381>

DOI: 10.1007/s00044-016-1773-x

DOCUMENT TYPE: Article

SOURCE: Scopus

Salghi, R., Jodeh, S., Ebenso, E.E., Lgaz, H., Ben Hmamou, D., Ali, I.H., Messali, M., Hammouti, B., Benchat, N.

6-phenylpyridazin-3(2H)one as new corrosion inhibitor for C38 steel in 1 M HCl.

(2017) International Journal of Electrochemical Science, 12 (4), pp. 3309-3322.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017473701&doi=10.20964%2f2017.04.45&partnerID=40&md5=3915df1bbb1a7528bb140e8afc697944>

DOI: 10.20964/2017.04.45

DOCUMENT TYPE: Article

SOURCE: Scopus

Salghi, R., Jodeh, S., Ebenso, E.E., Lgaz, H., Ben Hmamou, D., Belkhaouda, M., Ali, I.H., Messali, M., Hammouti, B., Fattouch, S.

Inhibition of C-steel corrosion by green tea extract in hydrochloric solution

(2017) International Journal of Electrochemical Science, 12 (4), pp. 3283-3295.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017433684&doi=10.20964%2f2017.04.46&partnerID=40&md5=eab1ef5ebcf5e66d37026ec9f36063bc>

DOI: 10.20964/2017.04.46

DOCUMENT TYPE: Article

SOURCE: Scopus

Bel-Hadj-Tahar, R.

Structural and electro-optical properties of sol-gel processed Cd₂SnO₄ powder and nanocrystalline films

(2017) Thin Solid Films, 626, pp. 85-93.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013115650&doi=10.1016%2fj.tsf.2017.02.031&partnerID=40&md5=8d68c3599e1111a609f6f171e327e7a3>

DOI: 10.1016/j.tsf.2017.02.031

DOCUMENT TYPE: Article

SOURCE: Scopus

Gomha, S.M., Kheder, N.A., Abdelaziz, M.R., Mabkhot, Y.N., Alhajoj, A.M.

A facile synthesis and anticancer activity of some novel thiazoles carrying 1,3,4-Thiadiazole moiety

(2017) Chemistry Central Journal, 11 (1), art. no. 25, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85015845348&doi=10.1186%2fs13065-017-0255-7&partnerID=40&md5=46cdfd1a70812d985e3c5088c0a649e6>

DOI: 10.1186/s13065-017-0255-7

DOCUMENT TYPE: Article

SOURCE: Scopus

Ali, I.H., Khan, M.I.

Study of the inhibition effect of carbendazim towards carbon steel corrosion in 0.50m HCL solutions

(2017) International Journal of Electrochemical Science, 12 (3), pp. 2285-2296.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85015704966&doi=10.20974%2f2017.03.14&partnerID=40&md5=cdc8dcb4360075a8baccd3e732c18626>

DOI: 10.20974/2017.03.14

DOCUMENT TYPE: Article

SOURCE: Scopus

Okasha, R.M., Alblewi, F.F., Afifi, T.H., Naqvi, A., Fouda, A.M., Al-Dies, A.-A.M., El-Agrody, A.M., Belmont, P., Bunce, R.A.

Design of new Benzo[h] chromene derivatives: Antitumor activities and structure-activity relationships of the 2,3-Positions and fused rings at the 2,3-positions

(2017) *Molecules*, 22 (3), art. no. 479, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85016307989&doi=10.3390%2fmolecules22030479&partnerID=40&md5=3e38ce5d3d177925ab76f001a23e661c>

DOI: 10.3390/molecules22030479

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Electro-optical, nonlinear and charge transfer properties of naphthalene based compounds: A dual approach study

(2017) *Optik*, 132, pp. 101-110.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85006760139&doi=10.1016%2fj.ijleo.2016.12.023&partnerID=40&md5=5ad85353221ee5920cafa319e8d2ac30>

DOI: 10.1016/j.ijleo.2016.12.023

DOCUMENT TYPE: Article

SOURCE: Scopus

Muhammad, S., Al-Sehemi, A.G., Su, Z., Xu, H., Irfan, A., Chaudhry, A.R.

First principles study for the key electronic, optical and nonlinear optical properties of novel donor-acceptor chalcones

(2017) *Journal of Molecular Graphics and Modelling*, 72, pp. 58-69.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85008384613&doi=10.1016%2fj.jmglm.2016.12.009&partnerID=40&md5=5dcc571d95c232f4e993e36b169edf36>

DOI: 10.1016/j.jmgm.2016.12.009

DOCUMENT TYPE: Article

SOURCE: Scopus

Saad, F.A., El-Metwaly, N.M., Farghaly, T.A., Elghalban, M.G., Shah, R.K., Al-Hazmi, G.A., Saleh, K.A., Alfaifi, M.Y.

Illustration for series of new metal ion complexes extracted from pyrazolone derivative, spectral, thermal, QSAR, DFT/B3LYP, docking and antitumor investigations

(2017) Journal of Molecular Liquids, 229, pp. 614-627.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85011081924&doi=10.1016%2fj.molliq.2016.11.035&partnerID=40&md5=a87d0a557482394f28d6ef5a227c7e07>

DOI: 10.1016/j.molliq.2016.11.035

DOCUMENT TYPE: Article

SOURCE: Scopus

Fouda, A.M.

Halogenated 2-amino-4H-pyrano[3,2-h]quinoline-3-carbonitriles as antitumor agents and structure–activity relationships of the 4-, 6-, and 9-positions

(2017) Medicinal Chemistry Research, 26 (2), pp. 302-313.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85010036597&doi=10.1007%2fs00044-016-1747-z&partnerID=40&md5=9b3f789f7c7d0eefc60a72cd1109d2fd>

DOI: 10.1007/s00044-016-1747-z

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Hazmi, G.A.A., Metwally, N.E.

A series of nickel(II) complexes derived from hydrazide derivatives, electrochemical, thermal and spectral studies

(2017) Arabian Journal of Chemistry, 10, pp. S1003-S1013.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84874030644&doi=10.1016%2fj.arabjc.2013.01.002&partnerID=40&md5=8a41e31301af177adb1d44ef18265a71>

DOI: 10.1016/j.arabjc.2013.01.002

DOCUMENT TYPE: Article

SOURCE: Scopus

Ali, D., Butt, M.Z., Arif, B., Al-Sehemi, A.G., Al-Ghamdi, A.A., Yakuphanoglu, F.

Li induced enhancement in c-axis orientation and its effect on structural, optical, and electrical properties of ZnO thin films

(2017) Materials Research Express, 4 (2), art. no. 026405, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85014392164&doi=10.1088%2f2053-1591%2faa5b68&partnerID=40&md5=cde9100d874e99820ae83c5b840997a3>

DOI: 10.1088/2053-1591/aa5b68

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Quinazolinone derivative: Model compound for determination of dipole moment, solvatochromism and metal ion sensing

(2017) Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 171, pp. 97-103.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84979899293&doi=10.1016%2fj.saa.2016.07.038&partnerID=40&md5=b233962cb1d620f84b83b9af41fd8494>

DOI: 10.1016/j.saa.2016.07.038

DOCUMENT TYPE: Article

SOURCE: Scopus

Hamdy, M.S., Eissa, M.A., Keshk, S.M.A.S.

New catalyst with multiple active sites for selective hydrogenolysis of cellulose to ethylene glycol

(2017) Green Chemistry, 19 (21), pp. 5144-5151.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032721801&doi=10.1039%2fc7gc02122d&partnerID=40&md5=b10e0b8993dace046786409d8bdc4de8>

DOI: 10.1039/c7gc02122d

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Solvent-free selective hydrogenation of 1,5-cyclooctadiene catalyzed by palladium incorporated TUD-1

(2017) Catalysis Communications, 101, pp. 62-65.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026536540&doi=10.1016%2fj.catcom.2017.07.026&partnerID=40&md5=cfc25124de8977e0bbd56424d45eda94>

DOI: 10.1016/j.catcom.2017.07.026

DOCUMENT TYPE: Article

SOURCE: Scopus

Hamdy, M.S.

Effect of humidity on the photocatalytic degradation of gaseous hydrocarbons mixture

(2017) Materials Chemistry and Physics, 197, pp. 1-9.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020476796&doi=10.1016%2fj.matchemphys.2017.05.013&partnerID=40&md5=012fd8c8f14d47409140388e5abc8576>

DOI: 10.1016/j.matchemphys.2017.05.013

DOCUMENT TYPE: Article

SOURCE: Scopus

Kheder, N.A., Emam, D.R., Ather, H.

Synthesis and antibacterial activities of some new heterocycles attached to pyridinecarboxamide moiety of potential biological activity

(2017) *Heterocycles*, 94 (4), pp. 665-675.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018163713&doi=10.3987%2fCOM-16-13610&partnerID=40&md5=460a2bfb521cd64ec1039ee9c640d458>

DOI: 10.3987/COM-16-13610

DOCUMENT TYPE: Article

SOURCE: Scopus

El-Agrody, A.M., Halawa, A.H., Fouda, A.M., Al-Dies, A.-A.M.

The anti-proliferative activity of novel 4H-benzo[h]chromenes, 7H-benzo[h]-chromeno[2,3-d]pyrimidines and the structure–activity relationships of the 2-, 3-positions and fused rings at the 2, 3-positions

(2017) *Journal of Saudi Chemical Society*, 21 (1), pp. 82-90.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84977143035&doi=10.1016%2fj.jscs.2016.03.002&partnerID=40&md5=d5fbbe90527a23245b9e279deaeffd89>

DOI: 10.1016/j.jscs.2016.03.002

DOCUMENT TYPE: Article

SOURCE: Scopus

Abboud, M., Sayari, A.

Novel family of periodic mesoporous organosilicas containing azobenzene within the pore walls

(2017) *Microporous and Mesoporous Materials*, 249, pp. 157-164.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018786623&doi=10.1016%2fj.micromeso.2017.04.061&partnerID=40&md5=bec98b370a3390d76b9629feec0955e2>

DOI: 10.1016/j.micromeso.2017.04.061

DOCUMENT TYPE: Article

SOURCE: Scopus

Bel-Hadj-Tahar, R.

Morphological and electrical investigations of lead zirconium titanate thin films processed at low temperature by a novel sol-gel system

(2017) Journal of Alloys and Compounds, 729, pp. 607-616.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029816127&doi=10.1016%2fj.jallcom.2017.09.222&partnerID=40&md5=c355d53ce8c06ab2a3b0456c652ce42f>

DOI: 10.1016/j.jallcom.2017.09.222

DOCUMENT TYPE: Article

SOURCE: Scopus

Mostafa, R.E., Salama, A.A.A., Abdel-Rahman, R.F., Ogaly, H.A.

Hepato-and neuro-protective influences of biopropolis on thioacetamide-induced acute hepatic encephalopathy in rats

(2017) Canadian Journal of Physiology and Pharmacology, 95 (5), pp. 539-547.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021093711&doi=10.1139%2fcjpp-2016-0433&partnerID=40&md5=0bca8185954250972fdb0ee358cb273a>

DOI: 10.1139/cjpp-2016-0433

DOCUMENT TYPE: Article

SOURCE: Scopus

El-Sayed, W.A., Osman, D.A.A., Khalaf, H.S., Abbas, H.-A.S., Ali, M.M.

Anticancer activity of newly synthesized pyrazolyl and oxadiazolyl glycosides based on thienopyrimidine nucleus and their acyclic analogs

(2017) *Acta Poloniae Pharmaceutica - Drug Research*, 74 (6), pp. 1739-1751.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85037708919&partnerID=40&md5=796c57e39c99c6e643b537e4aa40d9f9>

DOCUMENT TYPE: Article

SOURCE: Scopus

Mohamed, H.M., Fouda, A.M., Khattab, E.S.A.E.H., El-Agrody, A.M.

Synthesis, molecular properties and evaluation of the antitumor activity of 2-amino-6-methoxy-4h-benzo[h]chromenes, 6-methoxy-2-oxo-2H-benzo[h]chromene

(2017) *Current Bioactive Compounds*, 13 (4), pp. 356-369.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032172875&doi=10.2174%2f1573407212666161018150119&partnerID=40&md5=95c8af73e886c5d590af879f2c7a4bbf>

DOI: 10.2174/1573407212666161018150119

DOCUMENT TYPE: Article

SOURCE: Scopus

Irfan, A., Mahmood, A.

Computational designing of low energy gap small molecule acceptors for organic solar cells

(2017) *Journal of the Mexican Chemical Society*, 61 (4), pp. 309-316.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85060017965&doi=10.29356%2fjmcs.v61i4.461&partnerID=40&md5=c9ebe2b5b4a31c103f68bf0f9e32c0fd>

DOI: 10.29356/jmcs.v61i4.461

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Synthesis, crystal structures, and quantum chemical calculations of Novel Phosphonium Salt-1,5-diphospha-3-phosponia-tricyclo pentane cations

(2017) Journal of Organometallic Chemistry, 846, pp. 51-65.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020064033&doi=10.1016%2fj.jorganchem.2017.05.052&partnerID=40&md5=ebe6587c3f583b50f742e0dba537a5af>

DOI: 10.1016/j.jorganchem.2017.05.052

DOCUMENT TYPE: Article

SOURCE: Scopus

Salem, M.A.

Synthesis of new thiazole, bithiazolidinone and pyrano [2,3-d] thiazole derivatives as potential antimicrobial agents

(2017) Croatica Chemica Acta, 90 (1), .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019588715&doi=10.5562%2fcca2955&partnerID=40&md5=f50b59cef35575de3ade73366ce99c6c>

DOI: 10.5562/cca2955

DOCUMENT TYPE: Article

SOURCE: Scopus

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

First-principles study of nitrogen-doped nanographene as an efficient charge transport and nonlinear optical material

(2017) RSC Advances, 7 (58), pp. 36632-36643.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85026401287&doi=10.1039%2fc7ra02455j&partnerID=40&md5=2545abff7e19ac3e252a1bee2de74cc6>

DOI: 10.1039/c7ra02455j

DOCUMENT TYPE: Review

SOURCE: Scopus

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

Exploring the possible existence of oxygen-bridged planarized 4-aminopyridine: Promising structure, charge transport and nonlinear optical properties

(2017) Journal of Materials Chemistry C, 5 (28), pp. 7102-7109.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85025136735&doi=10.1039%2fc7tc01482a&partnerID=40&md5=1b55d42689aac6e8025e1073372bd831>

DOI: 10.1039/c7tc01482a

DOCUMENT TYPE: Article

SOURCE: Scopus

Abbas, H.-A.S., Abd El-Karim, S.S., Abdelwahed, N.A.M.

Synthesis and biological evaluation of sulfonamide derivatives as antimicrobial agents

(2017) Acta Poloniae Pharmaceutica - Drug Research, 74 (3), pp. 849-860.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019694855&partnerID=40&md5=0d14ecb4d96ea9e080fd0a12274480fe>

DOCUMENT TYPE: Article

SOURCE: Scopus

Abbas, H.-A.S., Al-Marhabi, A.R.M., Ammar, Y.A.

Design, synthesis and biological evaluation of 2,3-disubstituted and fused quinoxalines as potential anticancer and antimicrobial agents

(2017) Acta Poloniae Pharmaceutica - Drug Research, 74 (2), pp. 445-458.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85016158757&partnerID=40&md5=49ea2dd3d8a137ddda04825bfb7cb345>

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Cactus an eco-friendly material for wastewater treatment: A review

(2017) Journal of Materials and Environmental Science, 8 (5), pp. 1770-1782.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85049968613&partnerID=40&md5=012e92db7eddb1ed9e13a3a0fc33cc33>

DOCUMENT TYPE: Article

SOURCE: Scopus

Badran, H., Yahia, I.S., Hamdy, M.S., Awwad, N.S.

Lithium-doped hydroxyapatite nano-composites: Synthesis, characterization, gamma attenuation coefficient and dielectric properties

(2017) Radiation Physics and Chemistry, 130, pp. 85-91.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84983001440&doi=10.1016%2fj.radphyschem.2016.08.001&partnerID=40&md5=033d1b8b5ba4476273053abbb38782fb>

DOI: 10.1016/j.radphyschem.2016.08.001

DOCUMENT TYPE: Article

SOURCE: Scopus

Abdel-Rahman, R.F., Hessin, A.F., Abdelbaset, M., Ogaly, H.A., Abd-Elsalam, R.M., Hassan, S.M.

Antihypertensive Effects of Roselle-Olive Combination in L-NAME-Induced Hypertensive Rats

(2017) Oxidative Medicine and Cellular Longevity, 2017, art. no. 9460653, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042626308&doi=10.1155%2f2017%2f9460653&partnerID=40&md5=5ae3682e35e1cafa956072e09afa20b5>

DOI: 10.1155/2017/9460653

DOCUMENT TYPE: Article

SOURCE: Scopus

Jin, R., Irfan, A.

Molecular design of organic small molecules based on diindole-diimide with fused aromatic heterocycles as donors for organic solar cells

(2017) RSC Advances, 7 (63), pp. 39899-39905.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027874764&doi=10.1039%2fc7ra07017a&partnerID=40&md5=1efe26ec72daa708d6a84913313e8737>

DOI: 10.1039/c7ra07017a

DOCUMENT TYPE: Article

SOURCE: Scopus

Al-Sehemi, A.G., Irfan, A., Al Fahad, A., Alfaifi, M.

Radical scavenging activity of some natural tropolones by density functional theory

(2017) Bulletin of the Chemical Society of Ethiopia, 31 (1), pp. 149-157.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85024505092&doi=10.4314%2fbcse.v31i1.13&partnerID=40&md5=daac6bcb7fede2744f8489e65d1a5d40>

DOI: 10.4314/bcse.v31i1.13

DOCUMENT TYPE: Article

SOURCE: Scopus

Mohammed, M.E.A., Alfifi, A., AalMudawi, A., Alfaifi, M.Y., Elbehairi, S.E.I., Al-Bushnaq, H.A.

Some physiochemical properties of acacia honey from different altitudes of the asir region in southern Saudi Arabia

(2017) Czech Journal of Food Sciences, 35 (4), pp. 321-327.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85028527752&doi=10.17221%2f428%2f2016-CJFS&partnerID=40&md5=5587d55759bea5a5eb63fd57b61a5914>

DOI: 10.17221/428/2016-CJFS

DOCUMENT TYPE: Article

SOURCE: Scopus

Fazary, A.E., Ju, Y.-H., Al-Shihri, A.S., Bani-Fwaz, M.Z., Alfaifi, M.Y., Alshehri, M.A., Saleh, K.A., Elbehairi, S.E.I., Fawy, K.F., Abd-Rabboh, H.S.M.

Platinum and vanadate Bioactive Complexes of Glycoside Naringin and Phenolates

(2017) Open Chemistry, 15 (1), pp. 189-199.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85027304335&doi=10.1515%2fchem-2017-0022&partnerID=40&md5=411caed090524627b5382dfab3f92143>

DOI: 10.1515/chem-2017-0022

DOCUMENT TYPE: Article

SOURCE: Scopus

Fazary, A.E., Ju, Y.-H., Fawy, K.F., Al-Shihri, A.S., Bani-Fwaz, M.Z., Alfaifi, M.Y., Shati, A.A., Elbehairi, S.E.I., Abd-Rabboh, H.S.M.

Nicotine – Metal ion interactions in solutions: Potentiometric, cyclic voltammetry investigations and quantum chemical calculations

(2017) Journal of Chemical Thermodynamics, 112, pp. 283-292.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85019582967&doi=10.1016%2fj.jct.2017.05.024&partnerID=40&md5=8684c15afce05ce8129591294fd084a1>

DOI: 10.1016/j.jct.2017.05.024

DOCUMENT TYPE: Article

SOURCE: Scopus

Farag, A.M., Kheder, N.A., Dawood, K.M., El Defrawy, A.M.

A facile access and computational studies of some new 4,5'-bipyrazole derivatives

(2017) Heterocycles, 94 (7), pp. 1245-1256.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85023628215&doi=10.3987%2fCOM-17-13707&partnerID=40&md5=ac925893f5becd8396508c4cd3f42578>

DOI: 10.3987/COM-17-13707

DOCUMENT TYPE: Article

SOURCE: Scopus

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

A flexible planar antenna on multilayer rubber composite for wearable devices

(2017) Progress In Electromagnetics Research C, 75, pp. 31-42.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020941409&doi=10.2528%2fPIERC17031701&partnerID=40&md5=aeec80230d47f2c4f86a9e3f74e06b59>

DOI: 10.2528/PIERC17031701

DOCUMENT TYPE: Article

SOURCE: Scopus

Ammar, Y.A., Salem, M.A., Fayed, E.A., Helal, M.H., El-Gaby, M.S.A., Thabet, H.K.

Naproxen derivatives: Synthesis, reactions, and biological applications

(2017) Synthetic Communications, 47 (15), pp. 1341-1367.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85020555202&doi=10.1080%2f00397911.2017.1328066&partnerID=40&md5=62eeaae47296c2a6b667cda3ff89199a>

DOI: 10.1080/00397911.2017.1328066

DOCUMENT TYPE: Review

SOURCE: Scopus

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

The validity of Kohlrausch law for the photocurrent transient and the role of N₂/Ar flow ratio in photoconductivity of sputtered CoZnO

(2017) Journal of Alloys and Compounds, 712, pp. 152-163.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85017342612&doi=10.1016%2fj.jallcom.2017.04.041&partnerID=40&md5=4b17b8cea912d8369224e416595ec1c3>

DOI: 10.1016/j.jallcom.2017.04.041

DOCUMENT TYPE: Article

SOURCE: Scopus

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

Diphenic acid derivatives: Synthesis, reactions, and applications

(2017) Synthetic Communications, 47 (10), pp. 935-960.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85016475138&doi=10.1080%2f00397911.2017.1298805&partnerID=40&md5=7a24230a3c5018bf382c1bb42aca94e5>

DOI: 10.1080/00397911.2017.1298805

DOCUMENT TYPE: Review

SOURCE: Scopus

Ocaya, R.O., Al-Sehemi, A.G., Al-Ghamdi, A., El-Tantawy, F., Yakuphanoglu, F.

Organic semiconductor photosensors

(2017) Journal of Alloys and Compounds, 702, pp. 520-530.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85012273608&doi=10.1016%2fj.jallcom.2016.12.381&partnerID=40&md5=7662bbb74319c8778436f240f88e20c2>

DOI: 10.1016/j.jallcom.2016.12.381

DOCUMENT TYPE: Article

SOURCE: Scopus