

Ahmed I Hashem

List of Publications by Year in descending order

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63
papers

1,461
citations

279798

23
h-index

345221

36
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69
all docs

69
docs citations

69
times ranked

1251
citing authors

#	ARTICLE	IF	CITATIONS
1	Conversion of some 2(3H)-furanones bearing a pyrazolyl group into other heterocyclic systems with a study of their antiviral activity. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 934-939.	5.5	113
2	Smart photo-induced silicone/TiO ₂ nanocomposites with dominant [110] exposed surfaces for self-cleaning foul-release coatings of ship hulls. <i>Materials and Design</i> , 2016, 101, 218-225.	7.0	89
3	Synthesis and performance of maleic anhydride copolymers with alkyl linoleate or tetra-esters as pour point depressants for waxy crude oil. <i>Fuel</i> , 2018, 211, 535-547.	6.4	65
4	Modeling of spherical silver nanoparticles in silicone-based nanocomposites for marine antifouling. <i>RSC Advances</i> , 2015, 5, 63175-63185.	3.6	61
5	Synthesis and Application of Poly(ionic liquid) Based on Cardanol as Demulsifier for Heavy Crude Oil Water Emulsions. <i>Energy & Fuels</i> , 2018, 32, 214-225.	5.1	57
6	Tailored design of Cu ₂ O nanocube/silicone composites as efficient foul-release coatings. <i>RSC Advances</i> , 2015, 5, 19933-19943.	3.6	52
7	Methylene Blue Catalytic Degradation Using Silver and Magnetite Nanoparticles Functionalized with a Poly(ionic liquid) Based on Quaternized Dialkylethanolamine with 2-Acrylamido-2-methylpropane Sulfonate- <i>co</i> -Vinylpyrrolidone. <i>ACS Omega</i> , 2020, 5, 2829-2842.	3.5	52
8	Effect of fiber loading on the mechanical and physical properties of "green bagasse" polyester composite. <i>Journal of Radiation Research and Applied Sciences</i> , 2015, 8, 544-548.	1.2	45
9	Conversion of 3-Arylazo-5-phenyl-2(3H)-furanones into Other Heterocycles of Anticipated Biological Activity. <i>Archiv Der Pharmazie</i> , 2007, 340, 315-319.	4.1	42
10	Synthesis and application of new surface active poly (ionic liquids) based on 1,3-dialkylimidazolium as demulsifiers for heavy petroleum crude oil emulsions. <i>Journal of Molecular Liquids</i> , 2018, 251, 201-211.	4.9	41
11	Effect of Different Families of Hydrophobic Anions of Imadazolium Ionic Liquids on Asphaltene Dispersants in Heavy Crude Oil. <i>Energy & Fuels</i> , 2017, 31, 8045-8053.	5.1	40
12	Synthesis of 1-amidoalkyl-2-naphthols and oxazine derivatives with study of their antibacterial and antiviral activities. <i>Medicinal Chemistry Research</i> , 2013, 22, 2005-2013.	2.4	39
13	The overall effect of reactive rubber nanoparticles and nano clay on the mechanical properties of epoxy resin. <i>Journal of Radiation Research and Applied Sciences</i> , 2015, 8, 549-561.	1.2	39
14	Synthesis and antitumor activity evaluation of some N-heterocycles derived from pyrazolyl-substituted 2(3H)-furanone. <i>Synthetic Communications</i> , 2016, 46, 1197-1208.	2.1	38
15	Linseed oil-based alkyl/Cu ₂ O nanocomposite coatings for surface applications. <i>New Journal of Chemistry</i> , 2018, 42, 10048-10058.	2.8	35
16	Novel synthesis of <i>N</i> -(6- <i>acryloyl</i> -(<i>E</i>)-2-furylmethylene)-1,2,3,4-tetrahydro-3-oxopyridazin-1-ylcarbonyl)- <i>p</i> -toluenesulfonamides and <i>N</i> -(5-(<i>E</i>)-1- <i>acryloylmethyl</i> -(2-furyl)vinyl)-1,3,4-oxadiazol-2-yl)- <i>p</i> -toluenesulfonamides. <i>Journal of Heterocyclic Chemistry</i> , 2002, 39, 1325-1328.	2.6	33
17	Synthesis of zinc oxide nanocomposites using poly (ionic liquids) based on quaternary ammonium acrylamidomethyl propane sulfonate for water treatment. <i>Journal of Molecular Liquids</i> , 2017, 236, 38-47.	4.9	29
18	Data on photo-nanofiller models for self-cleaning foul release coating of ship hulls. <i>Data in Brief</i> , 2016, 8, 1357-1364.	1.0	28

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19	Synthesis and application of monodisperse hydrophobic magnetite nanoparticles as an oil spill collector using an ionic liquid. <i>RSC Advances</i> , 2017, 7, 16524-16530.	3.6	28
20	Synthesis and Antitumor Activity Evaluation of Some Novel Fused and Spiro Heterocycles Derived from a 2(3H)-furanone Derivative. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 202-208.	2.6	26
21	Synthesis and biological screening of some chromonyl-substituted heterocycles derived from 2(3H)-furanone derivative. <i>Synthetic Communications</i> , 2017, 47, 471-480.	2.1	26
22	Facile and expedient synthesis and anti-proliferative activity of diversely pyrrolones bearing 1,3-diphenylpyrazole moiety. <i>Synthetic Communications</i> , 2020, 50, 185-196.	2.1	26
23	Utilization of a pyrrole derivative based antimicrobial functionality impregnated onto CaO/g-C ₃ N ₄ for dyes adsorption. <i>RSC Advances</i> , 2016, 6, 89367-89379.	3.6	24
24	Synthesis and antitumor activity evaluation of some pyrrolone and pyridazinone heterocycles derived from 3-((2-oxo-5-(p-tolyl)furan-3(2H)-ylidene)methyl)quinolin-2(1H)-one. <i>Synthetic Communications</i> , 2020, 50, 1046-1055.	2.1	23
25	Antimicrobial and immunomodulatory potential of nanoscale hierarchical one-dimensional zinc oxide and silicon carbide materials. <i>Materials Chemistry and Physics</i> , 2021, 263, 124376.	4.0	23
26	Ring Transformation of a 2(3H)-furanone Derivative into Oxazinone and Pyrimidinone Heterocycles. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 3711-3715.	2.6	22
27	Photoassisted Desulfurization Induced by Visible-Light Irradiation for the Production of Ultra-Low Sulfur Diesel Fuel Using Nanoparticles of CdO. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26350-26362.	3.1	21
28	CONVERSION OF 3-ARYL-5-PHENYL-2(3H)-FURANONES INTO 3(2H)-ISOTHIAZOLONE DERIVATIVES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2001, 175, 153-162.	1.6	20
29	PHOTOCHEMICAL TRANSFORMATIONS OF 2(5H)-FURANONES. A REVIEW. <i>Organic Preparations and Procedures International</i> , 1998, 30, 401-425.	1.3	19
30	New crosslinked poly (ionic liquid) cryogels for fast removal of methylene blue from waste water. <i>Reactive and Functional Polymers</i> , 2018, 131, 420-429.	4.1	19
31	Behavior of 3-benzylamino-5-aryl-2(3H)-furanones towards some nitrogen nucleophiles. <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 957-962.	2.6	18
32	Conversion of Some 2(3H)-Furanones into Pyrrolinotriazine and Oxazolopyrimidine Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 947-950.	2.6	18
33	Behaviour of some 2(3H)-furanones bearing a pyrazolyl group as alkylating agents. <i>Journal of Chemical Research</i> , 2006, 2006, 315-317.	1.3	17
34	Synthesis and antiproliferative activity of novel polynuclear heterocyclic compounds derived from 2,3-diaminophenazine. <i>European Journal of Medicinal Chemistry</i> , 2015, 90, 568-576.	5.5	17
35	Magnetite doped cuprous oxide nanoparticles as modifier for epoxy organic coating. <i>Progress in Organic Coatings</i> , 2017, 112, 295-303.	3.9	17
36	Novel Magnetic Silica-Ionic Liquid Nanocomposites for Wastewater Treatment. <i>Nanomaterials</i> , 2020, 10, 71.	4.1	17

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37	Evaluation of some new heterocycles bearing 2-oxoquinolyl moiety as immunomodulator against highly pathogenic avian influenza virus (H_5N_8). Journal of Heterocyclic Chemistry, 2021, 58, 1003-1014.	2.6	17
38	Novel Synthesis of Some Isatin Hydrazones and Pyridazinophthalazines. Synthetic Communications, 2013, 43, 1083-1091.	2.1	16
39	Pharmacological evaluation of some novel synthesized compounds derived from spiro(cyclohexane-1,2-thiazolidines). Medicinal Chemistry Research, 2014, 23, 2515-2527.	2.4	15
40	Synthesis of Some Diaroylhydrazines, 1,3,4-Oxadiazoles and Pyridazin-3-ones Bearing Thiophene Nucleus. Collection of Czechoslovak Chemical Communications, 1993, 58, 1925-1930.	1.0	13
41	Chemistry of phosphorus ylides: Part 45 synthesis of phosphoranylidene, thietane, azetidine and thiazinane derivatives as potent chemo preventative agents. Phosphorus, Sulfur and Silicon and the Related Elements, 2018, 193, 1-9.	1.6	12
42	Synthesis of New Magnetic Crosslinked Poly (Ionic Liquid) Nanocomposites for Fast Congo Red Removal from Industrial Wastewater. Nanomaterials, 2019, 9, 1286.	4.1	12
43	Phosphosilicate-polyamidoamine hyperbranched polymer ³⁺ nanocomposite toward planar optical waveguide applications. Polymer Composites, 2019, 40, 2029-2038.	4.6	12
44	Hydrophobic and Superhydrophobic Bio-Based Nano-Magnetic Epoxy Composites as Organic Coating of Steel. Coatings, 2020, 10, 1201.	2.6	12
45	Conversion of 2(3H)-furanones into 1,3,4-oxadiazoles. Heteroatom Chemistry, 2003, 14, 570-574.	0.7	7
46	Reactions of 2(3H)-furanones. Synthetic Communications, 2019, 49, 3031-3057.	2.1	7
47	Seawater Absorption and Adhesion Properties of Hydrophobic and Superhydrophobic Thermoset Epoxy Nanocomposite Coatings. Nanomaterials, 2021, 11, 272.	4.1	7
48	Micro-emulsion co-polymerisation of butyl acrylate with acrylic acid as binder for textile pigment printing. Pigment and Resin Technology, 2014, 43, 84-91.	0.9	5
49	Utility of 6-Amino-2-thiouracils as a Core of Biologically Potent Polynitrogen-Sulfur Fused Heterocycles. Journal of Heterocyclic Chemistry, 2014, 51, E189.	2.6	5
50	Evaluation of kaolin clay as natural material for transformer oil treatment to reduce the impact of ageing on copper strip. Egyptian Journal of Petroleum, 2017, 26, 533-539.	2.6	5
51	Conversion of 5-Aryl-3-phenylthio-2(3H)-furanones into Some Nitrogen- and Sulphur-Containing Heterocycles. Phosphorus, Sulfur and Silicon and the Related Elements, 2007, 182, 85-97.	1.6	4
52	Arylation of 3-heterylmethylene-5-arylfuran-2(3H)-thiones. Journal of Chemical Research, 2009, 2009, 68-71.	1.3	4
53	Utilization of 2(3H)-furanone Bearing a Pyrazolyl Side Chain for the Construction of a Variety of Thiazolidinone Derivatives. Journal of Heterocyclic Chemistry, 2016, 53, 1512-1518.	2.6	4
54	Synthesis and Reactions of a 2(5H)-furanone Bearing Two Furyl Substituents. Journal of Heterocyclic Chemistry, 2019, 56, 218-225.	2.6	4

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55	Curing of Functionalized Superhydrophobic Inorganic/Epoxy Nanocomposite and Application as Coatings for Steel. <i>Coatings</i> , 2021, 11, 83.	2.6	4
56	Tailoring Chitosan Nanocomposites for Planar Optical Waveguide Applications. <i>Polymer Science - Series A</i> , 2022, 64, 342-353.	1.0	4
57	Synthesis and Spectroscopic Characterization of some Novel Pyrazoloquinoline, Pyrazolytetrazine, and Thiazolidinone Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 291-296.	2.6	3
58	Synthesis and Antimicrobial Activity Evaluation of the Pyrrole-Derived Heterocycles Bearing Two Functionalities. <i>Current Organic Synthesis</i> , 2016, 14, 137-142.	1.3	3
59	The synthesis and antineoplastic activities of thiaziridine, sulfidomethylphosphonium, dithiaphosphitane sulphide against the Ehrlich ascites carcinoma. <i>Fundamental and Clinical Pharmacology</i> , 2022, , .	1.9	3
60	Nanocomposites dendritic polyamidoamine-based chitosan hyperbranched polymer embedded in silica phosphate for waveguide applications. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 744-755.	1.3	2
61	Novel Synthesis of N-{6-Aryl-4- [(E)-2-furylmethylene] -1,2,3,4-tetrahydro-3-oxopyridazin-1-ylcarbonyl}-p-toluenesulfonamides and N-{5-[(E)-1-Aroylmethyl-2-(2-furyl)vinyl] -1,3,4-oxadiazol-2-yl}-p-toluenesulfonamides.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
62	Conversion of 2(3H)-Furanones into 1,3,4-Oxadiazoles.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
63	Alkylation of 2(3H)-Furanones: Inter- versus Intra-Molecular. <i>Letters in Organic Chemistry</i> , 2020, 17, 430-433.	0.5	0