

Ahmed F M El-Mahdy

List of Publications by Year in descending order

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63
papers

2,470
citations

172457

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docs citations

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times ranked

1386
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization, and photophysical properties of some new thieno[2,3- <i>b</i>]pyridines bearing phenylethenyl moiety. <i>Journal of Heterocyclic Chemistry</i> , 2022, 59, 359-370.	2.6	5
2	Metal Complexes of the Porphyrin-Functionalized Polybenzoxazine. <i>Polymers</i> , 2022, 14, 449.	4.5	7
3	A pyridinyl-phenazine conjugated microporous polymer decorated with ultrafine Ag nanoparticles mediates the rapid reduction of nitrophenol. <i>Microporous and Mesoporous Materials</i> , 2022, 331, 111669.	4.4	18
4	Advances in porous organic polymers: syntheses, structures, and diverse applications. <i>Materials Advances</i> , 2022, 3, 707-733.	5.4	140
5	Covalent triazine frameworks based on triphenylpyridine building block for high-performance supercapacitor and selective CO ₂ capture. <i>Materials Chemistry and Physics</i> , 2022, 281, 125850.	4.0	18
6	Solvent polarity tuning to enhance the crystallinity of 2D-covalent organic frameworks for visible-light-driven hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12378-12390.	10.3	43
7	Ultrastable carbazole-tethered conjugated microporous polymers for high-performance energy storage. <i>Microporous and Mesoporous Materials</i> , 2022, 333, 111766.	4.4	10
8	Triphenylamine-based conjugated microporous polymers as dye adsorbents and supercapacitors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 134, 104310.	5.3	14
9	Carbazole-conjugated microporous polymers from Suzuki-Miyaura coupling for supercapacitors. <i>Polymer</i> , 2022, 254, 125070.	3.8	14
10	Donor-acceptor carbazole-based conjugated microporous polymers as photocatalysts for visible-light-driven H ₂ and O ₂ evolution from water splitting. <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121624.	20.2	46
11	Ultrastable luminescent hybrid microporous polymers based on polyhedral oligomeric silsesquioxane for CO ₂ uptake and metal ion sensing. <i>Microporous and Mesoporous Materials</i> , 2021, 311, 110695.	4.4	66
12	Secondary Structures of Polypeptide-Based Diblock Copolymers Influence the Microphase Separation of Templates for the Fabrication of Microporous Carbons. <i>Macromolecules</i> , 2021, 54, 1030-1042.	4.8	43
13	Triptycene-based discontinuously-conjugated covalent organic polymer photocatalysts for visible-light-driven hydrogen evolution from water. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119802.	20.2	63
14	Pyrene-containing conjugated organic microporous polymers for photocatalytic hydrogen evolution from water. <i>Catalysis Science and Technology</i> , 2021, 11, 2229-2241.	4.1	87
15	A Tröger's Base-Derived Covalent Organic Polymer Containing Carbazole Units as a High-Performance Supercapacitor. <i>Polymers</i> , 2021, 13, 1385.	4.5	32
16	Porous organic/inorganic polymers based on double-decker silsesquioxane for high-performance energy storage. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	22
17	High-Performance Supercapacitor Electrodes Prepared From Dispersions of Tetrabenzonaphthalene-Based Conjugated Microporous Polymers and Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51906-51916.	8.0	88
18	Synthesis of multiple heteroatom-doped mesoporous carbon/silica composites for supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 414, 128796.	12.7	57

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19	Covalent organic frameworks: Design principles, synthetic strategies, and diverse applications. <i>Giant</i> , 2021, 6, 100054.	5.1	142
20	Synthesis, characterization, and biological activities of some novel thienylpyrido[3,2-d]pyrimidines and related heterocycles. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1784-1801.	2.6	6
21	Sulfur-doped triazine-conjugated microporous polymers for achieving the robust visible-light-driven hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021, 421, 129825.	12.7	66
22	Carbazole- and thiophene-containing conjugated microporous polymers with different planarity for enhanced photocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2021, 57, 11968-11971.	4.1	37
23	One-Pot Synthesis of Some New <i>s</i> -Triazole Derivatives and Their Potential Application for Water Decontamination. <i>ACS Omega</i> , 2021, 6, 25574-25584.	3.5	7
24	Designed azo-linked conjugated microporous polymers for CO ₂ uptake and removal applications. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	19
25	Tunable Pyridyl-Based Conjugated Microporous Polymers for Visible Light-Driven Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2021, 4, 13140-13151.	5.1	24
26	(<i>E</i>)-1,2-Diphenylethene-based conjugated nanoporous polymers for a superior adsorptive removal of dyes from water. <i>New Journal of Chemistry</i> , 2021, 45, 21834-21843.	2.8	14
27	Photoresponsive Azobenzene Materials Based on Pyridine-Functionalized Benzoxazines as Surface Relief Gratings. <i>ACS Applied Polymer Materials</i> , 2020, 2, 791-804.	4.4	17
28	Hypercrosslinked porous organic polymers based on tetraphenylanthraquinone for CO ₂ uptake and high-performance supercapacitor. <i>Polymer</i> , 2020, 205, 122857.	3.8	53
29	Multifunctional Hypercrosslinked Porous Organic Polymers Based on Tetraphenylethene and Triphenylamine Derivatives for High-Performance Dye Adsorption and Supercapacitor. <i>Polymers</i> , 2020, 12, 2426.	4.5	36
30	Covalent Organic Frameworks: Dual-Function Fluorescent Covalent Organic Frameworks: HCl Sensing and Photocatalytic H ₂ Evolution from Water (<i>Advanced Optical Materials</i> 18/2020). <i>Advanced Optical Materials</i> , 2020, 8, 2070074.	7.3	2
31	Heteroporous bifluorenylidene-based covalent organic frameworks displaying exceptional dye adsorption behavior and high energy storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25148-25155.	10.3	66
32	A highly fluorescent covalent organic framework as a hydrogen chloride sensor: roles of Schiff base bonding and π -stacking. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9520-9528.	5.5	96
33	Synthesis of Schiff and Mannich bases of new triazole derivatives and their potential applications for removal of heavy metals from aqueous solution and as antimicrobial agents. <i>RSC Advances</i> , 2020, 10, 20184-20194.	3.6	16
34	High-Molecular-Weight PLA-b-PEO-b-PLA Triblock Copolymer Templated Large Mesoporous Carbons for Supercapacitors and CO ₂ Capture. <i>Polymers</i> , 2020, 12, 1193.	4.5	20
35	Dual-Function Fluorescent Covalent Organic Frameworks: HCl Sensing and Photocatalytic H ₂ Evolution from Water. <i>Advanced Optical Materials</i> , 2020, 8, 2000641.	7.3	97
36	Hydrogen bonding induces dual porous types with microporous and mesoporous covalent organic frameworks based on bicarbazole units. <i>Microporous and Mesoporous Materials</i> , 2020, 300, 110151.	4.4	35

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37	Direct synthesis of nitrogen-doped mesoporous carbons from triazine-functionalized resol for CO ₂ uptake and highly efficient removal of dyes. <i>Journal of Hazardous Materials</i> , 2020, 391, 122163.	12.4	77
38	Ultrastable conductive microporous covalent triazine frameworks based on pyrene moieties provide high-performance CO ₂ uptake and supercapacitance. <i>New Journal of Chemistry</i> , 2020, 44, 8241-8253.	2.8	49
39	Nitrogen-Doped microporous carbons derived from azobenzene and nitrile-functionalized polybenzoxazines for CO ₂ uptake. <i>Materials Today Communications</i> , 2020, 24, 101111.	1.9	23
40	Exploitation of two-dimensional conjugated covalent organic frameworks based on tetraphenylethylene with bicarbazole and pyrene units and applications in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11448-11459.	10.3	88
41	A Convenient One-Pot and Rapid Microwave-Assisted Synthesis of Biologically Active s-Triazolo[3,4-b][1,3,4]Thiadiazine and s-Triazolo[3,4-b][1,3,4]Thiadiazole Nanoarchitectonics. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2917-2929.	0.9	3
42	Synthesis of [3,4]-ketoenamine-tethered covalent organic frameworks (COFs) for high-performance supercapacitance and CO ₂ storage. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 103, 199-208.	5.3	57
43	Bio-inspired multiple complementary hydrogen bonds enhance the miscibility of conjugated polymers blended with polystyrene derivatives. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	7
44	Direct Synthesis of Microporous Bicarbazole-Based Covalent Triazine Frameworks for High-Performance Energy Storage and Carbon Dioxide Uptake. <i>ChemPlusChem</i> , 2019, 84, 1767-1774.	2.8	48
45	Convenient One-Pot Four-Component Synthesis of 6,8-Disubstituted-5,6,7,8-tetrahydropyrimido[4,5-d]pyrimidin-4(3H)-ones via a Triple Mannich Reaction. <i>Australian Journal of Chemistry</i> , 2019, 72, 542.	0.9	5
46	Hollow Microspherical and Microtubular [3 + 3] Carbazole-Based Covalent Organic Frameworks and Their Gas and Energy Storage Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9343-9354.	8.0	178
47	A Hollow Microtubular Triazine- and Benzobisoxazole-Based Covalent Organic Framework Presenting Sponge-Like Shells That Functions as a High-Performance Supercapacitor. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1429-1435.	3.3	76
48	Ultrastable tetraphenyl-phenylenediamine-based covalent organic frameworks as platforms for high-performance electrochemical supercapacitors. <i>Chemical Communications</i> , 2019, 55, 14890-14893.	4.1	78
49	Triazine-functionalized covalent benzoxazine framework for direct synthesis of N-doped microporous carbon. <i>Polymer Chemistry</i> , 2019, 10, 6010-6020.	3.9	59
50	Direct synthesis of poly(benzoxazine imide) from an ortho-benzoxazine: its thermal conversion to highly cross-linked polybenzoxazole and blending with poly(4-vinylphenol). <i>Polymer Chemistry</i> , 2018, 9, 1815-1826.	3.9	56
51	Diphenylpyrenylamine-functionalized polypeptides: secondary structures, aggregation-induced emission, and carbon nanotube dispersibility. <i>RSC Advances</i> , 2018, 8, 15266-15281.	3.6	10
52	A pyrene-functionalized polytyrosine exhibiting aggregation-induced emission and capable of dispersing carbon nanotubes and hydrogen bonding with P4VP. <i>Polymer</i> , 2018, 156, 10-21.	3.8	11
53	An Efficient One-Pot Synthesis of Benzo[1,4]Thiazines, Benzo[1,3]Thiazoles and Benzo[1,5]Thiazepines. <i>Current Organic Synthesis</i> , 2017, 14, 604-611.	1.3	7
54	An efficient and rapid intramolecular cyclization of a quadruple Mannich reaction for one-pot synthesis of pentaazaphenalenenes and their antimicrobial activities. <i>RSC Advances</i> , 2016, 6, 92134-92143.	3.6	5

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55	Fluorometric assay for phenotypic differentiation of drug-resistant HIV mutants. <i>Scientific Reports</i> , 2015, 5, 10323.	3.3	7
56	Delivery of siRNA using siRNA/cationic vector complexes encapsulated in dendrimer-like polymeric DNAs. <i>RSC Advances</i> , 2015, 5, 32775-32785.	3.6	5
57	Facile preparation of streptavidin-coated sephadex beads and their application to chemiluminescence detection of a target DNA. <i>Mikrochimica Acta</i> , 2015, 182, 495-503.	5.0	2
58	Dendrimer-like polymeric DNAs as chemiluminescence probes for amplified detection of telomere DNA on a solid-phase membrane. <i>Chemical Communications</i> , 2014, 50, 859-861.	4.1	20
59	One pot synthesis and reactions of novel 5-amino[1,3]thiazolo[3,2-b][1,2,4]triazoles. <i>Arkivoc</i> , 2011, 2011, 71-84.	0.5	19
60	Intramolecular cyclization of Mannich reaction for synthesis of pyrimido[2,1-b]-1,3,5-tiadiazines. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 1294-1302.	2.6	15
61	Novel Method for the Synthesis of s-Triazolo[3,4-b][1,3,4]thiadiazines. <i>Synthesis</i> , 2010, 2010, 2636-2642.	2.3	16
62	A water-soluble copper-immobilized covalent organic framework functioning as an "OFF-ON" fluorescent sensor for amino acids. <i>Materials Advances</i> , 0, , .	5.4	23
63	Studies on synthesis and reactions of some new five and six-membered heterocycles bearing 5,6,7,8-tetrahydrobenzo[b]thieno[2,3-d]pyrimidin-4(3H)-ones skeleton. <i>Synthetic Communications</i> , 0, , 1-15.	2.1	0