

Reda M Mohamed

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

768
citations

15
h-index

26
g-index

58
ext. papers

1,252
ext. citations

4.1
avg, IF

5.41
L-index

#	Paper	IF	Citations
52	Synergistic impact of two-dimensional Ag ₂ O/Co ₃ O ₄ nanocomposites for improved photocatalytic performance. <i>Optical Materials</i> , 2022 , 123, 111937	3.3	2
51	S-scheme mesoporous LiMnO/g-CN heterojunctions as efficient photocatalysts for the mineralization of trichloroethylene in aqueous media.. <i>Journal of Colloid and Interface Science</i> , 2022 , 614, 160-171	9.3	4
50	Z-scheme Mesoporous CdIn ₂ S ₄ /g-C ₃ N ₄ heterojunction for enlarged photocatalytic efficiency utilizing visible-light illumination. <i>Optical Materials</i> , 2022 , 123, 111946	3.3	1
49	Mesoporous Titania Accommodated with In ₂ O ₃ Nanoparticles as a Superior Photocatalyst for Degradation Ciprofloxacin Antibiotic. <i>Inorganic Chemistry Communication</i> , 2022 , 109564	3.1	
48	SrSnO-Assembled MWCNT Heterojunctions for Superior Hydrogen Production under Visible Light. <i>ACS Omega</i> , 2021 , 6, 30534-30541	3.9	
47	Construction of mesoporous CdO/g-C ₃ N ₄ nanocomposites for photooxidation of ciprofloxacin under visible light exposure. <i>Optical Materials</i> , 2021 , 122, 111816	3.3	
46	Promoting Visible Light Generation of Hydrogen Using a Sol-Gel-Prepared MnCoO@g-CN p-n Heterojunction Photocatalyst. <i>ACS Omega</i> , 2021 , 6, 8717-8725	3.9	5
45	FeYO ₃ @rGO nanocomposites: Synthesis, characterization and application in photooxidative degradation of atrazine under visible light. <i>Materials Express</i> , 2021 , 11, 706-716	1.3	0
44	Z-scheme g-C ₃ N ₄ nanosheet photocatalyst decorated with mesoporous CdS for the photoreduction of carbon dioxide. <i>Ceramics International</i> , 2021 , 47, 17210-17219	5.1	13
43	Mesoporous Fe ₂ O ₃ /ZnO heterojunction with a synergistic effect for rapid and efficient reduction of mercury ions. <i>Separation and Purification Technology</i> , 2021 , 266, 118360	8.3	9
42	Fabrication of Mesoporous PtO-ZnO Nanocomposites with Promoted Photocatalytic Performance for Degradation of Tetracycline. <i>ACS Omega</i> , 2021 , 6, 6438-6447	3.9	9
41	Generation of Hydrogen Gas Using CuCrO-g-CN Nanocomposites under Illumination by Visible Light. <i>ACS Omega</i> , 2021 , 6, 4485-4494	3.9	3
40	A novel design of porous Cr ₂ O ₃ @ZnO nanocomposites as highly efficient photocatalyst toward degradation of antibiotics: A case study of ciprofloxacin. <i>Separation and Purification Technology</i> , 2021 , 266, 118588	8.3	14
39	Mesoporous BiVO ₄ /2D-g-C ₃ N ₄ heterostructures for superior visible light-driven photocatalytic reduction of Hg(II) ions. <i>Ceramics International</i> , 2021 , 47, 26063-26073	5.1	10
38	Construction of hierarchical ZnS@ZnO secured from metal organic framework- ZnS@ZIF-8 for enhanced photoreduction of CO ₂ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 127, 208-219	5.3	3
37	Enhanced CO ₂ photocatalytic conversion into CH ₃ OH over visible-light-driven Pt nanoparticle-decorated mesoporous ZnO/ZnS S-scheme heterostructures. <i>Ceramics International</i> , 2021 , 47, 26779-26788	5.1	8
36	MgFe ₂ O ₄ decoration of g-C ₃ N ₄ nanosheets to enhance CIP oxidation in visible-light photocatalysis. <i>Optical Materials</i> , 2021 , 121, 111598	3.3	1

35	Adsorption of carbon dioxide on $Cu_xMg_y(BTC)_2$ MOFs: influence of Cu/Mg ratio. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2-3	4
34	Thin-layer g-C ₃ N ₄ nanosheet decoration with MoS ₂ nanoparticles as a highly efficient photocatalyst in the H ₂ production reaction. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2-3	5
33	Performance of mesoporous γ -Fe ₂ O ₃ /g-C ₃ N ₄ heterojunction for photoreduction of Hg(II) under visible light illumination. <i>Ceramics International</i> , 2020 , 46, 23098-23106	5-1	40
32	Decoration of g-C ₃ N ₄ nanosheets by mesoporous CoFe ₂ O ₄ nanoparticles for promoting visible-light photocatalytic Hg(II) reduction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 603, 125206	5-1	34
31	Synthesis and characterizations of ZnMn ₂ O ₄ -ZnO nanocomposite photocatalyst for enlarged photocatalytic oxidation of ciprofloxacin using visible light irradiation. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 2269-2278	3-3	3
30	Extremely Effective Visible Light-Driven Generation of Hydrogen by Sol-Gel LaFeO ₃ -Decorated g-C ₃ N ₄ Photocatalyst. <i>Nanoscience and Nanotechnology Letters</i> , 2020 , 12, 1255-1264	0-8	0
29	Mesoporous Pt/La _{0.02} Na _{0.98} TaO ₃ nanocomposites as efficient photocatalyst for hydrogen evolution. <i>Molecular Catalysis</i> , 2020 , 486, 110885	3-3	12
28	Uniform dispersion of CuO nanoparticles on mesoporous TiO ₂ networks promotes visible light photocatalysis. <i>Ceramics International</i> , 2020 , 46, 8819-8826	5-1	22
27	Soft and hard templates assisted synthesis mesoporous CuO/g-CN heterostructures for highly enhanced and accelerated Hg(II) photoreduction under visible light. <i>Journal of Colloid and Interface Science</i> , 2020 , 580, 223-233	9-3	50
26	Photocatalytic performance mesoporous Nd ₂ O ₃ modified ZnO nanoparticles with enhanced degradation of tetracycline. <i>Catalysis Today</i> , 2020 , 380, 259-259	5-3	8
25	Triblock copolymer-assisted synthesis of Z-scheme porous g-C ₃ N ₄ based photocatalysts with promoted visible-light-driven performance. <i>Ceramics International</i> , 2020 , 46, 28903-28913	5-1	10
24	Construction of highly dispersed Nd ₂ O ₃ nanoparticles onto mesoporous LaNaTaO ₃ nanocomposites for H ₂ evolution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 400, 112723	4-7	9
23	One-step sol-gel synthesis of PbTiO ₃ nanosheets and photocatalytic enhancement through decoration by platinum. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2-3	2
22	Pt-decorated CuO nanosheets and their application in the visible light photocatalytic water splitting reaction. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 4291-4298	3-3	7
21	Facile Synthesis of Mesoporous AgO-ZnO Heterojunctions for Efficient Promotion of Visible Light Photodegradation of Tetracycline. <i>ACS Omega</i> , 2020 , 5, 33269-33279	3-9	25
20	H ₂ production using CuS/g-C ₃ N ₄ nanocomposites under visible light. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 223-232	3-3	10
19	Photo-catalytic destruction of acetaldehyde using cobalt, copper co-doped titania dioxide nanoparticles beneath Visible light. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 931-939	3-3	5
18	Synthesis of BaCeO ₃ nanoneedles and the effect of V, Ag, Au, Pt doping on the visible light hydrogen evolution in the photocatalytic water splitting reaction. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 91, 138-145	2-3	7

17	Silver-Doped Antimony Trioxide Nanocomposites for the Photocatalytic Reduction of Nitrobenzene. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3528-3535	1.3	6
16	A novel biosensor for early diagnosis of liver cancer cases using smart nano-magnetic metal-organic framework. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5249	3.1	16
15	Preparation and characterization of Pt, N-TiO ₂ -graphene nanocomposites for hydrogen production. <i>Ceramics International</i> , 2019 , 45, 6058-6065	5.1	11
14	Increasing visible light water splitting efficiency through synthesis route and charge separation in mesoporous g-C ₃ N ₄ decorated with WO ₃ nanoparticles. <i>Ceramics International</i> , 2019 , 45, 3886-3893	5.1	28
13	Nd-doped Bi ₂ O ₃ nanocomposites: simple synthesis and improved photocatalytic activity for hydrogen production under visible light. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 1233-1239	3.3	8
12	A comparative study on mesoporous and commercial TiO ₂ photocatalysts for photodegradation of organic pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 367, 66-73	4.7	25
11	WO ₃ /TiO ₂ nanocomposites for paracetamol degradation under visible light. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 2021-2030	3.3	14
10	Photodegradation of the herbicide imazapyr over mesoporous In ₂ O ₃ -TiO ₂ nanocomposites with enhanced photonic efficiency. <i>Separation and Purification Technology</i> , 2018 , 205, 66-73	8.3	30
9	Decoration of mesoporous graphite-like C ₃ N ₄ nanosheets by NiS nanoparticle-driven visible light for hydrogen evolution. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 1587-1596	3.3	21
8	Platinum/zinc oxide nanoparticles: Enhanced photocatalysts degrade malachite green dye under visible light conditions. <i>Ceramics International</i> , 2016 , 42, 9375-9381	5.1	55
7	Fluorine doped zinc oxide nanowires: Enhanced photocatalysts degrade malachite green dye under visible light conditions. <i>Ceramics International</i> , 2016 , 42, 4672-4678	5.1	40
6	Cobalt/zinc oxide hollow spheres: Visible light nanophotocatalysts. <i>Ceramics International</i> , 2016 , 42, 2299-2305	5.1	18
5	New Visible-Light Pt/PbS Nanoparticle Photocatalysts for the Photocatalytic Oxidation of Thiophene. <i>Clean - Soil, Air, Water</i> , 2015 , 43, 421-426	1.6	10
4	Enhancement of Titanium Dioxide-Manganese Oxide Nanoparticles Photocatalytic Activity by Doping with Multi-walled Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014 , 22, 765-779	1.8	3
3	CuO nanobelts synthesized by a template-free hydrothermal approach with optical and magnetic characteristics. <i>Ceramics International</i> , 2014 , 40, 2127-2133	5.1	55
2	Effect of the silica sources on the crystallinity of nanosized ZSM-5 zeolite. <i>Microporous and Mesoporous Materials</i> , 2005 , 79, 7-12	5.3	90
1	Facile Fabrication of Pt-Doped Mesoporous ZnS as High Efficiency for Photocatalytic CO ₂ Conversion. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2005 , 1	3.2	0