

Saravanan Rajendran

List of Publications by Year in descending order

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129
papers

12,874
citations

31976

53
h-index

23533

111
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130
all docs

130
docs citations

130
times ranked

8784
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photocatalytic activity of ZnO/CuO nanocomposite for the degradation of textile dye on visible light illumination. <i>Materials Science and Engineering C</i> , 2013, 33, 91-98.	7.3	923
2	Conducting PANI stimulated ZnO system for visible light photocatalytic degradation of coloured dyes. <i>Journal of Molecular Liquids</i> , 2016, 221, 1029-1033.	4.9	608
3	ZnO/Ag/CdO nanocomposite for visible light-induced photocatalytic degradation of industrial textile effluents. <i>Journal of Colloid and Interface Science</i> , 2015, 452, 126-133.	9.4	579
4	ZnO/Ag nanocomposite: An efficient catalyst for degradation studies of textile effluents under visible light. <i>Materials Science and Engineering C</i> , 2013, 33, 2235-2244.	7.3	525
5	Ce ³⁺ -ion-induced visible-light photocatalytic degradation and electrochemical activity of ZnO/CeO ₂ nanocomposite. <i>Scientific Reports</i> , 2016, 6, 31641.	3.3	506
6	Visible light induced degradation of methylene blue using CeO ₂ /V ₂ O ₅ and CeO ₂ /CuO catalysts. <i>Materials Science and Engineering C</i> , 2013, 33, 4725-4731.	7.3	465
7	The photocatalytic activity of ZnO prepared by simple thermal decomposition method at various temperatures. <i>Journal of Molecular Liquids</i> , 2013, 177, 394-401.	4.9	459
8	ZnO/Ag/Mn ₂ O ₃ nanocomposite for visible light-induced industrial textile effluent degradation, uric acid and ascorbic acid sensing and antimicrobial activity. <i>RSC Advances</i> , 2015, 5, 34645-34651.	3.6	426
9	Preparation and characterization of V ₂ O ₅ /ZnO nanocomposite system for photocatalytic application. <i>Journal of Molecular Liquids</i> , 2014, 198, 409-412.	4.9	363
10	Guanine-Based DNA Biosensor Amplified with Pt/SWCNTs Nanocomposite as Analytical Tool for Nanomolar Determination of Daunorubicin as an Anticancer Drug: A Docking/Experimental Investigation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 816-823.	3.7	358
11	Comparative study on photocatalytic activity of ZnO prepared by different methods. <i>Journal of Molecular Liquids</i> , 2013, 181, 133-141.	4.9	348
12	A critical review on the use of potentiometric based biosensors for biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2021, 184, 113252.	10.1	343
13	Visible light degradation of textile effluent using novel catalyst ZnO/Î ³ -Mn ₂ O ₃ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1910-1917.	5.3	333
14	Fabrication of novel shape Cu and Cu/Cu ₂ O nanoparticles modified electrode for the determination of dopamine and paracetamol. <i>Journal of Molecular Liquids</i> , 2016, 221, 930-941.	4.9	332
15	Tuning of metal oxides photocatalytic performance using Ag nanoparticles integration. <i>Journal of Molecular Liquids</i> , 2020, 314, 113588.	4.9	323
16	Synthesis, characterization and photocatalytic activity of novel Hg doped ZnO nanorods prepared by thermal decomposition method. <i>Journal of Molecular Liquids</i> , 2013, 178, 88-93.	4.9	296
17	An amplified voltammetric sensor based on platinum nanoparticle/polyoxometalate/two-dimensional hexagonal boron nitride nanosheets composite and ionic liquid for determination of N-hydroxysuccinimide in water samples. <i>Journal of Molecular Liquids</i> , 2020, 310, 113185.	4.9	248
18	A critical review on various remediation approaches for heavy metal contaminants removal from contaminated soils. <i>Chemosphere</i> , 2022, 287, 132369.	8.2	246

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19	ZnO/CdO composite nanorods for photocatalytic degradation of methylene blue under visible light. <i>Materials Chemistry and Physics</i> , 2011, 125, 277-280.	4.0	239
20	Facile synthesis of paper based graphene electrodes for point of care devices: A double stranded DNA (dsDNA) biosensor. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 463-472.	9.4	232
21	Synthesis and characterization of chitosan-silver nanocomposite. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 299-303.	3.1	175
22	Nanochemistry approach for the fabrication of Fe and N co-decorated biomass-derived activated carbon frameworks: a promising oxygen reduction reaction electrocatalyst in neutral media. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 429-439.	9.1	171
23	Synthesis and characterization of metal oxides (CeO ₂ , CuO, NiO, Mn ₃ O ₄ , SnO ₂ and ZnO) nanoparticles as photo catalysts for degradation of textile dyes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 43-49.	3.8	168
24	ZnO/CdO nanocomposites for textile effluent degradation and electrochemical detection. <i>Journal of Molecular Liquids</i> , 2015, 209, 374-380.	4.9	163
25	A critical review on relationship of CeO ₂ -based photocatalyst towards mechanistic degradation of organic pollutant. <i>Chemosphere</i> , 2022, 286, 131651.	8.2	147
26	Green polymeric nanomaterials for the photocatalytic degradation of dyes: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1569-1580.	16.2	134
27	Towards green synthesis of monodisperse Cu nanoparticles: An efficient and high sensitive electrochemical nitrite sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 873-882.	7.8	133
28	Crystallinity and lowering band gap induced visible light photocatalytic activity of TiO ₂ /CS (Chitosan) nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 1239-1245.	7.5	121
29	Heterostructured Ti ₃ C ₂ /TiO ₂ -g-C ₃ N ₄ Nanocomposites with Enhanced Visible-Light Photocatalytic Hydrogen Production Activity. <i>ChemSusChem</i> , 2018, 11, 4226-4236.	6.8	120
30	Basic Principles, Mechanism, and Challenges of Photocatalysis. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 19-40.	0.7	112
31	Visible light induced degradation of methyl orange using $\text{Ag}_0.333\text{V}_2\text{O}_5$ nanorod catalysts by facile thermal decomposition method. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 521-527.	5.2	106
32	Mechanochemical synthesis of Ag/TiO ₂ for photocatalytic methyl orange degradation and hydrogen production. <i>Chemical Engineering Research and Design</i> , 2018, 120, 339-347.	5.6	106
33	Degradation of azo dyes under different wavelengths of UV light with chitosan-SnO ₂ nanocomposites. <i>Journal of Molecular Liquids</i> , 2017, 232, 423-430.	4.9	102
34	Two-dimensional porous sheet-like carbon-doped ZnO/g-C ₃ N ₄ nanocomposite with high visible-light photocatalytic performance. <i>Materials Letters</i> , 2017, 189, 156-159.	2.6	99
35	Plant-derived silica nanoparticles and composites for biosensors, bioimaging, drug delivery and supercapacitors: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1667-1691.	16.2	94
36	Influence of mesoporous defect induced mixed-valent NiO (Ni ²⁺ /Ni ³⁺)-TiO ₂ nanocomposite for non-enzymatic glucose biosensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 264, 27-37.	7.8	88

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37	Fabrication of amine functionalized graphene oxide @ AgNPs nanocomposite with improved dispersibility for reduction of 4-nitrophenol. <i>Composites Part B: Engineering</i> , 2019, 171, 302-309.	12.0	88
38	Metal/metal oxide nanocomposites for bactericidal effect: A review. <i>Chemosphere</i> , 2021, 272, 128607.	8.2	87
39	Recent advancements of spinel ferrite based binary nanocomposite photocatalysts in wastewater treatment. <i>Chemosphere</i> , 2021, 274, 129734.	8.2	86
40	Occurrences and removal of pharmaceutical and personal care products from aquatic systems using advanced treatment- A review. <i>Environmental Research</i> , 2022, 204, 112298.	7.5	79
41	Investigation of mechanism of heavy metals (Cr ⁶⁺ , Pb ²⁺ & Zn ²⁺) adsorption from aqueous medium using rice husk ash: Kinetic and thermodynamic approach. <i>Chemosphere</i> , 2022, 286, 131796.	8.2	78
42	WS ₂ and TiO ₂ Nanorods Acting as Effective Charge Separators on g-C ₃ N ₄ to Boost Visible-Light Activated Hydrogen Production from Seawater. <i>ChemSusChem</i> , 2018, 11, 4077-4085.	6.8	77
43	Tailoring the electrical and dielectric properties of ZnO nanorods by substitution. <i>Journal of Molecular Liquids</i> , 2014, 193, 160-165.	4.9	76
44	A review of graphene-based semiconductors for photocatalytic degradation of pollutants in wastewater. <i>Chemosphere</i> , 2022, 300, 134391.	8.2	76
45	Mn ²⁺ ion influenced optical and photocatalytic behaviour of Mn@ZnS quantum dots prepared by a microwave assisted technique. <i>RSC Advances</i> , 2014, 4, 44592-44599.	3.6	75
46	Line defect Ce ³⁺ induced Ag/CeO ₂ /ZnO nanostructure for visible-light photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 499-506.	3.9	73
47	Synthesis and characterization of ZnO and Ni doped ZnO nanorods by thermal decomposition method for spintronics application. <i>Materials Characterization</i> , 2012, 67, 10-16.	4.4	72
48	Visible Light-Driven Photocatalytic H ₂ Generation and Mechanism Insights into Bi ₂ O ₂ CO ₃ /G-C ₃ N ₄ Z-Scheme Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4795-4804.	3.1	71
49	Intermediate state created by dopant ions (Mn, Co and Zr) into TiO ₂ nanoparticles for degradation of dyes under visible light. <i>Journal of Molecular Liquids</i> , 2016, 223, 652-659.	4.9	67
50	Generation of novel n-p-n (CeO ₂ -PPy-ZnO) heterojunction for photocatalytic degradation of micro-organic pollutants. <i>Environmental Pollution</i> , 2022, 292, 118375.	7.5	62
51	Notable photocatalytic activity of TiO ₂ -polyethylene nanocomposites for visible light degradation of organic pollutants. <i>EXPRESS Polymer Letters</i> , 2017, 11, 899-909.	2.1	60
52	Engineering strategies and opportunities of next generation biofuel from microalgae: A perspective review on the potential bioenergy feedstock. <i>Fuel</i> , 2022, 312, 122827.	6.4	57
53	Nanosized Fe ₃ O ₄ incorporated on a TiO ₂ surface for the enhanced photocatalytic degradation of organic pollutants. <i>Journal of Molecular Liquids</i> , 2019, 287, 110967.	4.9	56
54	Review of Metal Organic Framework Based Nanomaterials for Electrochemical Sensing of Toxic Heavy Metal Ions: Progress and Their Prospects. <i>Journal of the Electrochemical Society</i> , 2021, 168, 037513.	2.9	55

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55	Synthesis of novel AgCl loaded g-C ₃ N ₅ with ultrahigh activity as visible light photocatalyst for pollutants degradation. <i>Chemical Physics Letters</i> , 2020, 738, 136862.	2.6	47
56	Hybrid metal organic frameworks as an Exotic material for the photocatalytic degradation of pollutants present in wastewater: A review. <i>Chemosphere</i> , 2022, 288, 132448.	8.2	46
57	Effective removal of malachite green dye from aqueous solution in hybrid system utilizing agricultural waste as particle electrodes. <i>Chemosphere</i> , 2021, 273, 129634.	8.2	42
58	Visible light driven exotic p (CuO) - n (TiO ₂) heterojunction for the photodegradation of 4-chlorophenol and antibacterial activity. <i>Environmental Pollution</i> , 2021, 287, 117304.	7.5	42
59	Green Synthesis of Zinc Oxide Nanoparticles by <i>Justicia adhatoda</i> Leaves and Their Antimicrobial Activity. <i>Chemical Engineering and Technology</i> , 2021, 44, 551-558.	1.5	41
60	Green synthesis of white light emitting carbon quantum dots: Fabrication of white fluorescent film and optical sensor applications. <i>Journal of Hazardous Materials</i> , 2021, 416, 125091.	12.4	39
61	Current advances in microbial fuel cell technology toward removal of organic contaminants – A review. <i>Chemosphere</i> , 2022, 287, 132186.	8.2	39
62	Microplastics in the environment: Recent developments in characteristic, occurrence, identification and ecological risk. <i>Chemosphere</i> , 2022, 298, 134161.	8.2	38
63	Sonochemical synthesis of CuO nanostructures and their morphology dependent optical and visible light driven photocatalytic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2448-2457.	2.2	36
64	Hydrogen adsorption properties of Ag decorated TiO ₂ nanomaterials. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2861-2868.	7.1	35
65	Heterostructures of mesoporous TiO ₂ and SnO ₂ nanocatalyst for improved electrochemical oxidation ability of vitamin B ₆ in pharmaceutical tablets. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 45-53.	9.4	35
66	A review on recent advancements in photocatalytic remediation for harmful inorganic and organic gases. <i>Chemosphere</i> , 2021, 284, 131344.	8.2	35
67	Preparation of nanosized yttrium doped CeO ₂ catalyst used for photocatalytic application. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 505-510.	5.2	34
68	Low cost and quick time absorption of organic dye pollutants under ambient condition using partially exfoliated graphite. <i>Journal of Water Process Engineering</i> , 2020, 34, 101078.	5.6	33
69	High-performance and stable Ru-Pd nanosphere catalyst supported on two-dimensional boron nitride nanosheets for the hydrogenation of furfural via water-mediated protonation. <i>Fuel</i> , 2021, 290, 119826.	6.4	31
70	The war using microbes: A sustainable approach for wastewater management. <i>Environmental Pollution</i> , 2021, 275, 116598.	7.5	31
71	The role of MOF based nanocomposites in the detection of phenolic compounds for environmental remediation- A review. <i>Chemosphere</i> , 2022, 300, 134516.	8.2	30
72	Photocatalytic Degradation of Organic Dyes Using ZnO/CeO ₂ Nanocomposite Material under Visible Light. <i>Advanced Materials Research</i> , 0, 584, 381-385.	0.3	29

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73	Advanced integrated nanocatalytic routes for converting biomass to biofuels: A comprehensive review. <i>Fuel</i> , 2022, 314, 122762.	6.4	28
74	Enhanced photo-induced catalytic activity of Cu ion doped ZnO - Graphene ternary nanocomposite for degrading organic dyes. <i>Journal of Water Process Engineering</i> , 2019, 32, 100966.	5.6	27
75	Nanoflower-like Ti ₃ CN@TiO ₂ /CdS heterojunction photocatalyst for efficient photocatalytic water splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 19580-19589.	7.1	27
76	Water-soluble graphitic carbon nitride for clean environmental applications. <i>Environmental Pollution</i> , 2021, 269, 116172.	7.5	26
77	Photocatalytic degradation of 2,4-dichlorophenol using bio-green assisted TiO ₂ @CeO ₂ nanocomposite system. <i>Environmental Research</i> , 2021, 195, 110852.	7.5	26
78	Advancements on sustainable microbial fuel cells and their future prospects: A review. <i>Environmental Research</i> , 2022, 210, 112930.	7.5	26
79	Green Synthesis of Silver Nanoparticle from Datura innoxia Flower Extract and Its Cytotoxic Activity. <i>BioNanoScience</i> , 2019, 9, 564-572.	3.5	24
80	Recent progress in green and biopolymer based photocatalysts for the abatement of aquatic pollutants. <i>Environmental Research</i> , 2021, 199, 111324.	7.5	24
81	Functionalization of MXene-based nanomaterials for the treatment of micropollutants in aquatic system: A review. <i>Environmental Pollution</i> , 2022, 301, 119034.	7.5	24
82	Recent development of organic-inorganic hybrid photocatalysts for biomass conversion into hydrogen production. <i>Nanoscale Advances</i> , 2022, 4, 2561-2582.	4.6	24
83	A review on MXene and its nanocomposites for the detection of toxic inorganic gases. <i>Chemosphere</i> , 2022, 302, 134933.	8.2	24
84	Photosynthesis of H ₂ and its storage on the Bandgap Engineered Mesoporous (Ni ²⁺ /Ni ³⁺)O @ TiO ₂ heterostructure. <i>Journal of Power Sources</i> , 2020, 466, 228305.	7.8	23
85	Boosting visible-light hydrogen evolution on CdS hollow nanospheres with CoN as cocatalyst. <i>Fuel</i> , 2022, 316, 123307.	6.4	21
86	Metal organic framework derived magnetically recoverable CuFe ₂ O ₄ porous cubes for efficient photocatalytic application. <i>Inorganic Chemistry Communication</i> , 2021, 125, 108405.	3.9	20
87	A long-standing polarized electric field in TiO ₂ @BaTiO ₃ /CdS nanocomposite for effective photocatalytic hydrogen evolution. <i>Fuel</i> , 2022, 314, 122758.	6.4	20
88	Role of nanotechnology for the conversion of lignocellulosic biomass into biopotent energy: A biorefinery approach for waste to value-added products. <i>Fuel</i> , 2022, 322, 124236.	6.4	20
89	Recent trends and advancements in nanoporous membranes for water purification. <i>Chemosphere</i> , 2022, 303, 135205.	8.2	20
90	PHOTOCATALYTIC DEGRADATION OF ORGANIC DYE USING NANO ZnO. <i>International Journal of Nanoscience</i> , 2011, 10, 253-257.	0.7	19

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91	Facile synthesis of YbVO ₄ , and YVO ₄ nanostructures through MOF route for photocatalytic applications. <i>Inorganic Chemistry Communication</i> , 2020, 115, 107855.	3.9	18
92	Horseradish Peroxidase-Immobilized Graphene Oxide-Chitosan Gold Nanocomposites as Highly Sensitive Electrochemical Biosensor for Detection of Hydrogen Peroxide. <i>Journal of the Electrochemical Society</i> , 2020, 167, 147517.	2.9	17
93	Surface modification of TiO ₂ by adding V ₂ O ₅ nanocatalytic system for hydrogen generation. <i>Chemical Engineering Research and Design</i> , 2022, 182, 114-119.	5.6	16
94	A facile template synthesis of phosphorus-doped graphitic carbon nitride hollow structures with high photocatalytic hydrogen production activity. <i>Materials Chemistry and Physics</i> , 2022, 275, 125299.	4.0	15
95	CuO-ZnO-PANI a lethal p-n-p combination in degradation of 4-chlorophenol under visible light. <i>Journal of Hazardous Materials</i> , 2021, 416, 125989.	12.4	14
96	Cultivation of <i>Chlorella vulgaris</i> on dairy waste using vision imaging for biomass growth monitoring. <i>Bioresource Technology</i> , 2021, 341, 125892.	9.6	14
97	A review of recent progress on photocatalytic carbon dioxide reduction into sustainable energy products using carbon nitride. <i>Chemical Engineering Research and Design</i> , 2022, 177, 304-320.	5.6	14
98	Facile synthesis of graphene-AgVO ₃ nanocomposite with excellent supercapacitor performance. <i>Materials Chemistry and Physics</i> , 2018, 212, 30-34.	4.0	13
99	Core-Shell Nanostructured Fe ₃ O ₄ @Poly(styrene-co-vinylbenzyl) Tj ETQq1 1 0.784314 rgBT /Over Omega, 2018, 3, 13685-13693.	3.5	13
100	Current Role of Nanomaterials in Environmental Remediation. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 1-20.	0.5	12
101	Nanosized Titania-Nickel mixed oxide for visible light photocatalytic activity. <i>Journal of Molecular Liquids</i> , 2020, 311, 113328.	4.9	12
102	Halides and oxyhalides-based photocatalysts for abatement of organic water contaminants – An overview. <i>Environmental Research</i> , 2022, 212, 113149.	7.5	12
103	Effect of Ag ⁺ and PO ₄ ³⁻ ratios on the microstructure and photocatalytic activity of Ag ₃ PO ₄ . <i>Functional Materials Letters</i> , 2016, 09, 1650063.	1.2	11
104	Recent advances in carbon nitride-based nanomaterials for hydrogen production and storage. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37490-37516.	7.1	11
105	Intensification of toxic chlorophenolic compounds degradation over efficient microwave-dried silica-doped tetragonal zirconia nanocatalysts. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 165, 108469.	3.6	10
106	Recent developments on graphene and its derivatives based electrochemical sensors for determinations of food contaminants. <i>Food and Chemical Toxicology</i> , 2022, 165, 113169.	3.6	10
107	Principles and Mechanisms of Green Photocatalysis. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 1-24.	0.5	9
108	Self-assembled dendrite-like 3D-CeO ₂ nanostructures for non-enzymatic vitamin B ₂ sensor. <i>Materials Letters</i> , 2021, 295, 129834.	2.6	9

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109	Synthesis and Characterization of Nano-Titania Photocatalyst Loaded on Mo-MCM-41 Support. <i>Advanced Science Letters</i> , 2011, 4, 89-95.	0.2	9
110	Visible light stimulated binary nanostructure and defect enriched TiO ₂ -SnO ₂ for photocatalysis and antibacterial activity. <i>Materials Letters</i> , 2022, 316, 131998.	2.6	9
111	Adsorptive removal of Pb(II) metal from aqueous medium using biogenically synthesized and magnetically recoverable core-shell structured AM@Cu/Fe ₃ O ₄ nanocomposite. , 0, 111, 278-285.		8
112	Sustainable applicability and environmental impact of wastewater treatment by emerging nanobiotechnological approach: Future strategy for efficient removal of contaminants and water purification. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 53, 102484.	2.7	8
113	SiC x /TiC x Nanostructured Material from Ti 3 SiC 2 for High Rate Performance of Lithium Storage. <i>ChemistrySelect</i> , 2019, 4, 7766-7772.	1.5	7
114	Tailoring the heterojunction of TiO ₂ with multivalence CeO ₂ nanocrystals - for detection of toxic 2-aminophenol. <i>Food and Chemical Toxicology</i> , 2022, 165, 113182.	3.6	7
115	Activation of prophenoloxidase and hyperglycemia as indicators of microbial stress in the blue swimmer crab <i>Portunus pelagicus</i> . <i>Marine Pollution Bulletin</i> , 2020, 160, 111711.	5.0	4
116	Photocatalysts for Indoor Air Pollution: A Brief Review. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 247-274.	0.5	4
117	Magnetically Recoverable Graphene Oxide Wrapped CuCo ₂ S ₄ /Iron Oxides Composites for Supercapacitor Application and Fenton Degradation of Organic Molecules. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1978-1991.	3.7	3
118	Recent Strategies on Hybrid Inorganic-Graphene Materials for Enhancing the Electrocatalytic Activity Towards Heavy Metal Detection. <i>Topics in Catalysis</i> , 2022, 65, 604-614.	2.8	3
119	Preparation and characterization of Hg doped ZnO nanorods. , 2011, , .		2
120	Functional nanomaterial in energy and environmental science. , 2020, , 1-23.		2
121	Nanoflower shaped NiO/CeO ₂ p-n junction material for the degradation of pollutant under visible light. <i>Materials Letters</i> , 2022, 317, 132122.	2.6	2
122	PHOTOCATALYTIC DEGRADATION OF AQUEOUS METHYL ORANGE USING NANOTITANIA LOADED Mo-MCM-41. <i>International Journal of Nanoscience</i> , 2011, 10, 1131-1135.	0.7	1
123	Recent Trends in Nanomaterials for Sustainable Energy. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 1-20.	0.5	1
124	Green Photocatalyst for Diverge Applications. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 1-18.	0.5	1
125	Bismuth Enriched Materials for Pseudo Capacitor Applications. , 2020, , .		1
126	Nano-Titania Photocatalyst Loaded on W-MCM-41 Support and Its Highly Efficient Degradation of Methylene Blue. , 2011, , .		0

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127	Simple and innovative method of removal of unfavourable root: technical note. Tropical Doctor, 2018, 48, 146-148.	0.5	0
128	Electrochemistry: Different Materials and Applications: An Overview. , 2020, , 1-24.		0
129	Photocatalytic degradation of organic dyes using nickel oxide incorporated titania nanocatalyst. , 0, 182, 359-364.		0