

## List of Publications by Year in descending order

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85  
papers

5,894  
citations

94269

37  
h-index

74018

75  
g-index

87  
all docs

87  
docs citations

87  
times ranked

7054  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable visible light photocatalytic scavenging of the noxious organic pollutant using recyclable and reusable polyaniline coupled WO <sub>3</sub> /WS <sub>2</sub> nanohybrid. <i>Journal of Cleaner Production</i> , 2022, 330, 129942.	4.6	23
2	Design of novel graphene oxide/halloysite nanotube@polyaniline nanohybrid for the removal of diclofenac sodium from aqueous solution. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 17, 100628.	1.7	3
3	A review on conventional and advanced hybrid technologies for pharmaceutical wastewater treatment. <i>Journal of Cleaner Production</i> , 2022, 356, 131826.	4.6	71
4	Aerogels in photocatalysis. , 2021, , 87-108.		1
5	Facile synthesis of muscovite-supported Fe <sub>3</sub> O <sub>4</sub> nanoparticles as an adsorbent and heterogeneous catalyst for effective removal of methyl orange: Characterisation, modelling, and mechanism. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 119, 146-157.	2.7	38
6	Adsorption and photocatalytic scavenging of 2-chlorophenol using carbon nitride-titania nanotubes based nanocomposite: Experimental data, kinetics and mechanism. <i>Data in Brief</i> , 2021, 34, 106664.	0.5	10
7	Direct current deposited NiO on polyaniline@MoS <sub>2</sub> flexible thin film for highly efficient solar light mineralization of 2-chlorophenol: A mechanistic analysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 129, 370-380.	2.7	4
8	Facile synthesis of silver decorated reduced graphene oxide@zinc oxide as ternary nanocomposite: an efficient photocatalyst for the enhanced degradation of organic dye under UV-visible light. <i>Journal of Materials Science</i> , 2021, 56, 7434-7450.	1.7	17
9	Hydrothermal synthesis of structurally variable binary CuAl, MnAl and ternary CuMnAl hydroxides for oxytetracycline antibiotic adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103535.	3.3	35
10	Synthesis and characterization of CuFe <sub>2</sub> O <sub>4</sub> /NiMgAl-LDH composite for the efficient removal of oxytetracycline antibiotic. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 139-150.	2.4	32
11	Experimental design and data on the adsorption and photocatalytic properties of boron nitride/cadmium aluminate composite for Cr(VI) and cefoxitin sodium antibiotic. <i>Data in Brief</i> , 2020, 28, 105051.	0.5	7
12	Photocatalytic degradation of cefoxitin sodium antibiotic using novel BN/CdAl <sub>2</sub> O <sub>4</sub> composite. <i>Journal of Cleaner Production</i> , 2020, 246, 119076.	4.6	59
13	Fabrication of SiO <sub>2</sub> /CuFe <sub>2</sub> O <sub>4</sub> /polyaniline composite: A highly efficient adsorbent for heavy metals removal from aquatic environment. <i>Arabian Journal of Chemistry</i> , 2020, 13, 7533-7543.	2.3	27
14	A novel Cu <sub>2</sub> O/Cu <sub>2</sub> O/Ag <sub>3</sub> PO <sub>4</sub> nanocomposite: Synthesis, characterization, and its application for 2-chlorophenol decontamination under visible light. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 115, 208-217.	2.7	12
15	Exfoliated Clay Decorated with Magnetic Iron Nanoparticles for Crystal Violet Adsorption: Modeling and Physicochemical Interpretation. <i>Nanomaterials</i> , 2020, 10, 1454.	1.9	21
16	Experimental and Theoretical Studies of Methyl Orange Uptake by Mn-Rich Synthetic Mica: Insights into Manganese Role in Adsorption and Selectivity. <i>Nanomaterials</i> , 2020, 10, 1464.	1.9	22
17	DC electrical conductivity retention and antibacterial aspects of microwave-assisted ultrathin CuO@polyaniline composite. <i>Chemical Papers</i> , 2020, 74, 3887-3898.	1.0	8
18	Novel hybrid multifunctional composite of chitosan and altered basalt for barium adsorption: Experimental and theoretical studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 593, 124613.	2.3	23

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19	Design of ternary Ni(OH) <sub>2</sub> /graphene oxide/TiO <sub>2</sub> nanocomposite for enhanced photocatalytic degradation of organic, microbial contaminants, and aerobic digestion of dairy wastewater. Journal of Cleaner Production, 2020, 258, 120588.	4.6	42
20	A recyclable multifunctional graphene oxide/SiO <sub>2</sub> @polyaniline microspheres composite for Cu(II) and Cr(VI) decontamination from wastewater. Journal of Cleaner Production, 2020, 268, 122290.	4.6	56
21	Adsorption modeling and mechanistic insight of hazardous chromium on para toluene sulfonic acid immobilized-polyaniline@CNTs nanocomposites. Journal of Saudi Chemical Society, 2019, 23, 188-197.	2.4	33
22	Graphene/metal oxide-based nanocomposite as photocatalyst for degradation of water pollutants. , 2019, , 221-240.		5
23	Synthesis of Graphene Oxide/Silica/Carbon Nanotubes Composite for Removal of Dyes from Wastewater. Earth Systems and Environment, 2019, 3, 651-659.	3.0	30
24	Construction of a ternary g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> @polyaniline nanocomposite for the enhanced photocatalytic activity under solar light. Scientific Reports, 2019, 9, 12091.	1.6	59
25	CuO sputtered flexible polyaniline@graphene thin films:A recyclable photocatalyst with enhanced electrical properties. Composites Part B: Engineering, 2019, 175, 107092.	5.9	36
26	S-rGO/ZnS nanocomposite-mediated photocatalytic pretreatment of dairy wastewater to enhance aerobic digestion. Korean Journal of Chemical Engineering, 2019, 36, 1281-1290.	1.2	6
27	Adsorptive removal of antibiotics from water over natural and modified adsorbents. Environmental Science and Pollution Research, 2019, 26, 34775-34788.	2.7	59
28	Fabrication of Novel Al(OH) <sub>3</sub> /CuMnAl-Layered Double Hydroxide for Detoxification of Organic Contaminants from Aqueous Solution. ACS Omega, 2019, 4, 18268-18278.	1.6	33
29	Adsorption and anion exchange insight of indigo carmine onto CuAl-LDH/SWCNTs nanocomposite: kinetic, thermodynamic and isotherm analysis. RSC Advances, 2019, 9, 560-568.	1.7	52
30	Novel Al <sub>2</sub> O <sub>3</sub> /GO/halloysite nanotube composite for sequestration of anionic and cationic dyes. RSC Advances, 2019, 9, 13916-13926.	1.7	21
31	Synthesis using natural functionalization of activated carbon from pumpkin peels for decolourization of aqueous methylene blue. Science of the Total Environment, 2019, 671, 369-376.	3.9	78
32	Synthesis and characterization of S-doped-rGO/ZnS nanocomposite for the photocatalytic degradation of 2-chlorophenol and disinfection of real dairy wastewater. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 377, 190-197.	2.0	25
33	Synthesis of CuO@GO/TiO <sub>2</sub> visible light photocatalyst for 2-chlorophenol degradation, pretreatment of dairy wastewater and aerobic digestion. Applied Nanoscience (Switzerland), 2019, 9, 579-591.	1.6	21
34	Modified Adsorbents for Removal of Heavy Metals from Aqueous Environment: A Review. Earth Systems and Environment, 2019, 3, 83-93.	3.0	39
35	Sulfonated polyether sulfone reinforced multiwall carbon nanotubes composite for the removal of lead in wastewater. Applied Nanoscience (Switzerland), 2019, 9, 1695-1705.	1.6	14
36	Green synthesis of CuO nanomaterials and their proficient use for organic waste removal and antimicrobial application. Environmental Research, 2019, 168, 85-95.	3.7	85

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37	Simple and sustainable route for large scale fabrication of few layered molybdenum disulfide sheets towards superior adsorption of the hazardous organic pollutant. Journal of Materials Science: Materials in Electronics, 2018, 29, 7792-7800.	1.1	13
38	Synthesis of Cr <sub>2</sub> O <sub>3</sub> /C <sub>3</sub> N <sub>4</sub> composite for enhancement of visible light photocatalysis and anaerobic digestion of wastewater sludge. Journal of Environmental Management, 2018, 212, 65-76.	3.8	26
39	Stabilized fabrication of anatase-TiO <sub>2</sub> /FeS <sub>2</sub> (pyrite) semiconductor composite nanocrystals for enhanced solar light-mediated photocatalytic degradation of methylene blue. RSC Advances, 2018, 8, 11935-11945.	1.7	47
40	Untapped conversion of plastic waste char into carbon-metal LDOs for the adsorption of Congo red. Journal of Colloid and Interface Science, 2018, 511, 402-410.	5.0	92
41	Visible light photocatalytic disintegration of waste activated sludge for enhancing biogas production. Journal of Environmental Management, 2018, 216, 120-127.	3.8	25
42	A polyaniline@MoS <sub>2</sub> -based organic-inorganic nanohybrid for the removal of Congo red: adsorption kinetic, thermodynamic and isotherm studies. New Journal of Chemistry, 2018, 42, 18802-18809.	1.4	42
43	Carbon nitride/titania nanotubes composite for photocatalytic degradation of organics in water and sludge: Pre-treatment of sludge, anaerobic digestion and biogas production. Journal of Environmental Management, 2018, 223, 495-502.	3.8	22
44	Structural, optical, and photocatalytic investigation of nickel oxide@graphene oxide nanocomposite thin films by RF magnetron sputtering. Journal of Materials Science, 2018, 53, 15034-15050.	1.7	25
45	Valorization of biogas production through disintegration of waste activated sludge using visible light ZnO-ZnS/Ag <sub>2</sub> O-Ag <sub>2</sub> S photocatalyst. Chemical Engineering Research and Design, 2018, 119, 330-339.	2.7	17
46	Anion selective pTSA doped polyaniline@graphene oxide-multiwalled carbon nanotube composite for Cr(VI) and Congo red adsorption. Journal of Colloid and Interface Science, 2017, 496, 407-415.	5.0	159
47	Visible light driven photocatalytic degradation of organic pollutants in wastewater and real sludge using ZnO-ZnS/Ag <sub>2</sub> O-Ag <sub>2</sub> S nanocomposite. Journal of the Taiwan Institute of Chemical Engineers, 2017, 77, 227-235.	2.7	42
48	Oxidized g-C <sub>3</sub> N <sub>4</sub> /polyaniline nanofiber composite for the selective removal of hexavalent chromium. Scientific Reports, 2017, 7, 12850.	1.6	93
49	Facile spectroscopic approach to obtain the optoelectronic properties of few-layered graphene oxide thin films and their role in photocatalysis. New Journal of Chemistry, 2017, 41, 14217-14227.	1.4	33
50	Fabrication of ZnO-ZnS@polyaniline nanohybrid for enhanced photocatalytic degradation of 2-chlorophenol and microbial contaminants in wastewater. International Biodeterioration and Biodegradation, 2017, 119, 66-77.	1.9	60
51	Hybrid chitosan/polyaniline-polypyrrole biomaterial for enhanced adsorption and antimicrobial activity. Journal of Colloid and Interface Science, 2017, 490, 488-496.	5.0	84
52	Synthesis and Characterization of Ag-Ag <sub>2</sub> O/TiO <sub>2</sub> @polypyrrole Heterojunction for Enhanced Photocatalytic Degradation of Methylene Blue. Catalysts, 2016, 6, 76.	1.6	61
53	Amino-functionalized mesoporous MCM-41: an efficient adsorbent for the removal of chromium (III) ions from aqueous solution. Journal of Water Supply: Research and Technology - AQUA, 2016, 65, 480-493.	0.6	14
54	Mixed phase lamellar titania-titanate anchored with Ag <sub>2</sub> O and polypyrrole for enhanced adsorption and photocatalytic activity. Journal of Colloid and Interface Science, 2016, 477, 83-93.	5.0	28

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55	Synthesis and characterization of Fe <sup>3+</sup> /Al binary oxyhydroxides/ MWCNTs nanocomposite for the removal of Cr(VI) from aqueous solution. Journal of the Taiwan Institute of Chemical Engineers, 2016, 63, 303-311.	2.7	31
56	Role of N doping on the structural, optical and photocatalytic properties of the silver deposited ZnO thin films. Journal of the Taiwan Institute of Chemical Engineers, 2016, 69, 131-138.	2.7	16
57	Facile route to a conducting ternary polyaniline@TiO <sub>2</sub> /GN nanocomposite for environmentally benign applications: photocatalytic degradation of pollutants and biological activity. RSC Advances, 2016, 6, 111308-111317.	1.7	45
58	Chemically oxidized pineapple fruit peel for the biosorption of heavy metals from aqueous solutions. Desalination and Water Treatment, 2016, 57, 6432-6442.	1.0	55
59	UV-irradiated carbon nanotubes synthesized from fly ash for adsorption of congo red dyes in aqueous solution. Desalination and Water Treatment, 2016, 57, 21534-21544.	1.0	8
60	Zero valent Ag deposited TiO <sub>2</sub> for the efficient photocatalysis of methylene blue under UV-C light irradiation. Colloids and Interface Science Communications, 2015, 5, 1-4.	2.0	68
61	Synthesis of PVC/CNT nanocomposite fibers using a simple deposition technique for the application of Alizarin Red S (ARS) removal. RSC Advances, 2015, 5, 14393-14399.	1.7	30
62	Recent advances in new generation dye removal technologies: novel search for approaches to reprocess wastewater. RSC Advances, 2015, 5, 30801-30818.	1.7	811
63	Facile strategy for the synthesis of non-covalently bonded and para-toluene sulfonic acid-functionalized fibrous polyaniline@graphene/PVC nanocomposite for the removal of Congo red. New Journal of Chemistry, 2015, 39, 7004-7011.	1.4	21
64	Simple route for the generation of differently functionalized PVC@graphene/polyaniline fiber bundles for the removal of Congo red from wastewater. RSC Advances, 2015, 5, 61486-61494.	1.7	38
65	New generation Amberlite XAD resin for the removal of metal ions: A review. Journal of Environmental Sciences, 2015, 31, 104-123.	3.2	87
66	Synthesis and characterization of porous magnetic silica composite for the removal of heavy metals from aqueous solution. Journal of Industrial and Engineering Chemistry, 2015, 23, 93-99.	2.9	37
67	Synthesis and characterization of a starch@AlOOH/FeS <sub>2</sub> nanocomposite for the adsorption of congo red dye from aqueous solution. RSC Advances, 2014, 4, 38334-38340.	1.7	74
68	Application of Carbon Nanotubes in Heavy Metals Remediation. Critical Reviews in Environmental Science and Technology, 2014, 44, 1000-1035.	6.6	70
69	Synthesis and characterization of carbon/AlOOH composite for adsorption of chromium(VI) from synthetic wastewater. Journal of Industrial and Engineering Chemistry, 2014, 20, 4202-4206.	2.9	36
70	Adsorption of Brilliant Green by Surfactant Doped Polyaniline/MWCNTs Composite: Evaluation of the Kinetic, Thermodynamic, and Isotherm. Industrial & Engineering Chemistry Research, 2014, 53, 7167-7175.	1.8	60
71	ADSORPTIVE REMOVAL OF HAZARDOUS METHYLENE BLUE BY FRUIT SHELL OF Cocos nucifera. Environmental Engineering and Management Journal, 2014, 13, 231-240.	0.2	10
72	L-Methionine modified Dowex-50 ion-exchanger of reduced size for the separation and removal of Cu(II) and Ni(II) from aqueous solution. Chemical Engineering Journal, 2013, 218, 32-38.	6.6	39

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73	Decolourization of hazardous brilliant green from aqueous solution using binary oxidized cactus fruit peel. <i>Chemical Engineering Journal</i> , 2013, 226, 377-383.	6.6	65
74	Adsorptive removal of Pb <sup>2+</sup> from aqueous solution by macrocyclic calix[4]naphthalene: kinetic, thermodynamic, and isotherm analysis. <i>Environmental Science and Pollution Research</i> , 2013, 20, 219-226.	2.7	21
75	Adsorptive removal of dyes from aqueous solution onto carbon nanotubes: A review. <i>Advances in Colloid and Interface Science</i> , 2013, 193-194, 24-34.	7.0	1,023
76	DBSA doped polyaniline/multi-walled carbon nanotubes composite for high efficiency removal of Cr(VI) from aqueous solution. <i>Chemical Engineering Journal</i> , 2013, 228, 748-755.	6.6	122
77	Adsorption of Cu <sup>2+</sup> from aqueous solution onto iron oxide coated eggshell powder: Evaluation of equilibrium, isotherms, kinetics, and regeneration capacity. <i>Arabian Journal of Chemistry</i> , 2012, 5, 353-359.	2.3	107
78	Adsorption of Amaranth Dye onto Alumina Reinforced Polystyrene. <i>Clean - Soil, Air, Water</i> , 2011, 39, 74-82.	0.7	94
79	Biosorption of hazardous crystal violet dye from aqueous solution onto treated ginger waste (TGW). <i>Desalination</i> , 2011, 265, 112-118.	4.0	257
80	Synthesis and Properties of Cellulose Carbon Encapsulated ZnO for Dye Removal. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 737-740.	1.3	22
81	Adsorptive removal of congo red dye from aqueous solution using bael shell carbon. <i>Applied Surface Science</i> , 2010, 257, 1628-1633.	3.1	262
82	Adsorption studies of hazardous malachite green onto treated ginger waste. <i>Journal of Environmental Management</i> , 2010, 91, 1032-1038.	3.8	275
83	Conducting Polyaniline/Iron Oxide Composite: A Novel Adsorbent for the Removal of Amido Black 10B. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 3489-3493.	1.0	112
84	Adsorptive Removal of Volatile Organic Contaminants from Aqueous Medium by Granular Activated Carbons. <i>Geosystem Engineering</i> , 2010, 13, 25-34.	0.7	2
85	Removal of trichlorophenol from wastewater using NiS/RGO/TiO <sub>2</sub> composite as an efficient photocatalyst under sunlight. , 0, 173, 267-273.		6