

List of Publications by Year in descending order

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85
papers

5,894
citations

94269

37
h-index

74018

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87
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docs citations

87
times ranked

7054
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Recent advances in new generation dye removal technologies: novel search for approaches to reprocess wastewater. <i>RSC Advances</i> , 2015, 5, 30801-30818.	1.7	811
3	Adsorption studies of hazardous malachite green onto treated ginger waste. <i>Journal of Environmental Management</i> , 2010, 91, 1032-1038.	3.8	275
4	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
5	Biosorption of hazardous crystal violet dye from aqueous solution onto treated ginger waste (TGW). <i>Desalination</i> , 2011, 265, 112-118.	4.0	257
6	Anion selective pTSA doped polyaniline@graphene oxide-multiwalled carbon nanotube composite for Cr(VI) and Congo red adsorption. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 407-415.	5.0	159
7	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
8	Conducting Polyaniline/Iron Oxide Composite: A Novel Adsorbent for the Removal of Amido Black 10B. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 3489-3493.	1.0	112
9	Adsorption of Cu ²⁺ 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
10	Adsorption of Amaranth Dye onto Alumina Reinforced Polystyrene. <i>Clean - Soil, Air, Water</i> , 2011, 39, 74-82.	0.7	94
11	Oxidized g-C ₃ N ₄ /polyaniline nanofiber composite for the selective removal of hexavalent chromium. <i>Scientific Reports</i> , 2017, 7, 12850.	1.6	93
12	Untapped conversion of plastic waste char into carbon-metal LDOs for the adsorption of Congo red. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 402-410.	5.0	92
13	New generation Amberlite XAD resin for the removal of metal ions: A review. <i>Journal of Environmental Sciences</i> , 2015, 31, 104-123.	3.2	87
14	Green synthesis of CuO nanomaterials and their proficient use for organic waste removal and antimicrobial application. <i>Environmental Research</i> , 2019, 168, 85-95.	3.7	85
15	Hybrid chitosan/polyaniline-polypyrrole biomaterial for enhanced adsorption and antimicrobial activity. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 488-496.	5.0	84
16	Synthesis using natural functionalization of activated carbon from pumpkin peels for decolourization of aqueous methylene blue. <i>Science of the Total Environment</i> , 2019, 671, 369-376.	3.9	78
17	Synthesis and characterization of a starch- AlOOH-FeS_2 nanocomposite for the adsorption of congo red dye from aqueous solution. <i>RSC Advances</i> , 2014, 4, 38334-38340.	1.7	74
18	A review on conventional and advanced hybrid technologies for pharmaceutical wastewater treatment. <i>Journal of Cleaner Production</i> , 2022, 356, 131826.	4.6	71

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19	Application of Carbon Nanotubes in Heavy Metals Remediation. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 1000-1035.	6.6	70
20	Zero valent Ag deposited TiO ₂ for the efficient photocatalysis of methylene blue under UV-C light irradiation. <i>Colloids and Interface Science Communications</i> , 2015, 5, 1-4.	2.0	68
21	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
22	Synthesis and Characterization of Ag-Ag ₂ O/TiO ₂ @polypyrrole Heterojunction for Enhanced Photocatalytic Degradation of Methylene Blue. <i>Catalysts</i> , 2016, 6, 76.	1.6	61
23	Adsorption of Brilliant Green by Surfactant Doped Polyaniline/MWCNTs Composite: Evaluation of the Kinetic, Thermodynamic, and Isotherm. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 7167-7175.	1.8	60
24	Fabrication of ZnO-ZnS@polyaniline nanohybrid for enhanced photocatalytic degradation of 2-chlorophenol and microbial contaminants in wastewater. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 66-77.	1.9	60
25	Construction of a ternary g-C ₃ N ₄ /TiO ₂ @polyaniline nanocomposite for the enhanced photocatalytic activity under solar light. <i>Scientific Reports</i> , 2019, 9, 12091.	1.6	59
26	Adsorptive removal of antibiotics from water over natural and modified adsorbents. <i>Environmental Science and Pollution Research</i> , 2019, 26, 34775-34788.	2.7	59
27	Photocatalytic degradation of cefoxitin sodium antibiotic using novel BN/CdAl ₂ O ₄ composite. <i>Journal of Cleaner Production</i> , 2020, 246, 119076.	4.6	59
28	A recyclable multifunctional graphene oxide/SiO ₂ @polyaniline microspheres composite for Cu(II) and Cr(VI) decontamination from wastewater. <i>Journal of Cleaner Production</i> , 2020, 268, 122290.	4.6	56
29	Chemically oxidized pineapple fruit peel for the biosorption of heavy metals from aqueous solutions. <i>Desalination and Water Treatment</i> , 2016, 57, 6432-6442.	1.0	55
30	Adsorption and anion exchange insight of indigo carmine onto CuAl-LDH/SWCNTs nanocomposite: kinetic, thermodynamic and isotherm analysis. <i>RSC Advances</i> , 2019, 9, 560-568.	1.7	52
31	Stabilized fabrication of anatase-TiO ₂ /FeS ₂ (pyrite) semiconductor composite nanocrystals for enhanced solar light-mediated photocatalytic degradation of methylene blue. <i>RSC Advances</i> , 2018, 8, 11935-11945.	1.7	47
32	Facile route to a conducting ternary polyaniline@TiO ₂ /GN nanocomposite for environmentally benign applications: photocatalytic degradation of pollutants and biological activity. <i>RSC Advances</i> , 2016, 6, 111308-111317.	1.7	45
33	Visible light driven photocatalytic degradation of organic pollutants in wastewater and real sludge using ZnO@ZnS/Ag ₂ S nanocomposite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 77, 227-235.	2.7	42
34	A polyaniline@MoS ₂ -based organic-inorganic nanohybrid for the removal of Congo red: adsorption kinetic, thermodynamic and isotherm studies. <i>New Journal of Chemistry</i> , 2018, 42, 18802-18809.	1.4	42
35	Design of ternary Ni(OH) ₂ /graphene oxide/TiO ₂ nanocomposite for enhanced photocatalytic degradation of organic, microbial contaminants, and aerobic digestion of dairy wastewater. <i>Journal of Cleaner Production</i> , 2020, 258, 120588.	4.6	42
36	I-Methionine modified Dowex-50 ion-exchanger of reduced size for the separation and removal of Cu(II) and Ni(II) from aqueous solution. <i>Chemical Engineering Journal</i> , 2013, 218, 32-38.	6.6	39

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37	Modified Adsorbents for Removal of Heavy Metals from Aqueous Environment: A Review. <i>Earth Systems and Environment</i> , 2019, 3, 83-93.	3.0	39
38	Simple route for the generation of differently functionalized PVC@graphene/polyaniline fiber bundles for the removal of Congo red from wastewater. <i>RSC Advances</i> , 2015, 5, 61486-61494.	1.7	38
39	Facile synthesis of muscovite-supported Fe ₃ O ₄ 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
40	Synthesis and characterization of porous magnetic silica composite for the removal of heavy metals from aqueous solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 93-99.	2.9	37
41	Synthesis and characterization of carbon/AlOOH composite for adsorption of chromium(VI) from synthetic wastewater. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4202-4206.	2.9	36
42	CuO sputtered flexible polyaniline/graphene thin films: A recyclable photocatalyst with enhanced electrical properties. <i>Composites Part B: Engineering</i> , 2019, 175, 107092.	5.9	36
43	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
44	Facile spectroscopic approach to obtain the optoelectronic properties of few-layered graphene oxide thin films and their role in photocatalysis. <i>New Journal of Chemistry</i> , 2017, 41, 14217-14227.	1.4	33
45	Adsorption modeling and mechanistic insight of hazardous chromium on para toluene sulfonic acid immobilized-polyaniline/CNTs nanocomposites. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 188-197.	2.4	33
46	Fabrication of Novel Al(OH) ₃ /CuMnAl-Layered Double Hydroxide for Detoxification of Organic Contaminants from Aqueous Solution. <i>ACS Omega</i> , 2019, 4, 18268-18278.	1.6	33
47	Synthesis and characterization of CuFe ₂ O ₄ /NiMgAl-LDH composite for the efficient removal of oxytetracycline antibiotic. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 139-150.	2.4	32
48	Synthesis and characterization of Fe ³⁺ /Al binary oxyhydroxides/ MWCNTs nanocomposite for the removal of Cr(VI) from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 63, 303-311.	2.7	31
49	Synthesis of PVC/CNT nanocomposite fibers using a simple deposition technique for the application of Alizarin Red S (ARS) removal. <i>RSC Advances</i> , 2015, 5, 14393-14399.	1.7	30
50	Synthesis of Graphene Oxide/Silica/Carbon Nanotubes Composite for Removal of Dyes from Wastewater. <i>Earth Systems and Environment</i> , 2019, 3, 651-659.	3.0	30
51	Mixed phase lamellar titania-titanate anchored with Ag ₂ O and polypyrrole for enhanced adsorption and photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2016, 477, 83-93.	5.0	28
52	Fabrication of SiO ₂ /CuFe ₂ O ₄ /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
53	Synthesis of Cr ₂ O ₃ /C ₃ N ₄ composite for enhancement of visible light photocatalysis and anaerobic digestion of wastewater sludge. <i>Journal of Environmental Management</i> , 2018, 212, 65-76.	3.8	26
54	Visible light photocatalytic disintegration of waste activated sludge for enhancing biogas production. <i>Journal of Environmental Management</i> , 2018, 216, 120-127.	3.8	25

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55	Structural, optical, and photocatalytic investigation of nickel oxide@graphene oxide nanocomposite thin films by RF magnetron sputtering. <i>Journal of Materials Science</i> , 2018, 53, 15034-15050.	1.7	25
56	Synthesis and characterization of S-doped-rGO/ZnS nanocomposite for the photocatalytic degradation of 2-chlorophenol and disinfection of real dairy wastewater. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 377, 190-197.	2.0	25
57	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
58	Sustainable visible light photocatalytic scavenging of the noxious organic pollutant using recyclable and reusable polyaniline coupled WO ₃ /WS ₂ nanohybrid. <i>Journal of Cleaner Production</i> , 2022, 330, 129942.	4.6	23
59	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
60	Carbon nitride/titania nanotubes composite for photocatalytic degradation of organics in water and sludge: Pre-treatment of sludge, anaerobic digestion and biogas production. <i>Journal of Environmental Management</i> , 2018, 223, 495-502.	3.8	22
61	Experimental and Theoretical Studies of Methyl Orange Uptake by Mn ²⁺ -Rich Synthetic Mica: Insights into Manganese Role in Adsorption and Selectivity. <i>Nanomaterials</i> , 2020, 10, 1464.	1.9	22
62	Adsorptive removal of Pb ²⁺ 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
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. <i>New Journal of Chemistry</i> , 2015, 39, 7004-7011.	1.4	21
64	Novel Al ₂ O ₃ /GO/halloysite nanotube composite for sequestration of anionic and cationic dyes. <i>RSC Advances</i> , 2019, 9, 13916-13926.	1.7	21
65	Synthesis of CuO@GO/TiO ₂ visible light photocatalyst for 2-chlorophenol degradation, pretreatment of dairy wastewater and aerobic digestion. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 579-591.	1.6	21
66	Exfoliated Clay Decorated with Magnetic Iron Nanoparticles for Crystal Violet Adsorption: Modeling and Physicochemical Interpretation. <i>Nanomaterials</i> , 2020, 10, 1454.	1.9	21
67	Valorization of biogas production through disintegration of waste activated sludge using visible light ZnO-ZnS/Ag ₂ O-Ag ₂ S photocatalyst. <i>Chemical Engineering Research and Design</i> , 2018, 119, 330-339.	2.7	17
68	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
69	Role of N doping on the structural, optical and photocatalytic properties of the silver deposited ZnO thin films. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 69, 131-138.	2.7	16
70	Amino-functionalized mesoporous MCM-41: an efficient adsorbent for the removal of chromium (III) ions from aqueous solution. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2016, 65, 480-493.	0.6	14
71	Sulfonated polyether sulfone reinforced multiwall carbon nanotubes composite for the removal of lead in wastewater. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1695-1705.	1.6	14
72	Simple and sustainable route for large scale fabrication of few layered molybdenum disulfide sheets towards superior adsorption of the hazardous organic pollutant. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7792-7800.	1.1	13

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73	A novel CuO@Cu ₂ O/Ag@Ag ₃ PO ₄ 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
74	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
75	ADSORPTIVE REMOVAL OF HAZARDOUS METHYLENE BLUE BY FRUIT SHELL OF <i>Cocos nucifera</i> . <i>Environmental Engineering and Management Journal</i> , 2014, 13, 231-240.	0.2	10
76	UV-irradiated carbon nanotubes synthesized from fly ash for adsorption of congo red dyes in aqueous solution. <i>Desalination and Water Treatment</i> , 2016, 57, 21534-21544.	1.0	8
77	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
78	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
79	S-rGO/ZnS nanocomposite-mediated photocatalytic pretreatment of dairy wastewater to enhance aerobic digestion. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1281-1290.	1.2	6
80	Removal of trichlorophenol from wastewater using NiS/RGO/TiO ₂ composite as an efficient photocatalyst under sunlight. , 0, 173, 267-273.		6
81	Graphene/metal oxide-based nanocomposite as photocatalyst for degradation of water pollutants. , 2019, , 221-240.		5
82	Direct current deposited NiO on polyaniline@MoS ₂ 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
83	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
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	Aerogels in photocatalysis. , 2021, , 87-108.		1