

N Balasubramanian

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,395
citations

201575

27
h-index

206029

48
g-index

53
all docs

53
docs citations

53
times ranked

3036
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical oxidation of textile wastewater and its reuse. Journal of Hazardous Materials, 2007, 147, 644-651.	6.5	298
2	Removal of arsenic from aqueous solution using electrocoagulation. Journal of Hazardous Materials, 2009, 167, 966-969.	6.5	119
3	Facile large scale synthesis of Bi ₂ S ₃ nano rods-graphene composite for photocatalytic photoelectrochemical and supercapacitor application. Applied Surface Science, 2015, 351, 635-645.	3.1	111
4	Graphene oxide-BiOBr composite material as highly efficient photocatalyst for degradation of methylene blue and rhodamine-B dyes. Journal of Water Process Engineering, 2014, 1, 17-26.	2.6	106
5	Decolorization and COD reduction of paper industrial effluent using electro-coagulation. Chemical Engineering Journal, 2009, 151, 97-104.	6.6	104
6	Arsenic Removal from Industrial Effluent through Electrocoagulation. Chemical Engineering and Technology, 2001, 24, 519.	0.9	102
7	Arsenic removal through electrocoagulation: Kinetic and statistical modeling. Chemical Engineering Journal, 2009, 155, 76-82.	6.6	96
8	Development of hybrid membrane bioreactor for tannery effluent treatment. Desalination, 2013, 309, 231-236.	4.0	91
9	Augmentation of biodegradability of pulp and paper industry wastewater by electrochemical pre-treatment and optimization by RSM. Separation and Purification Technology, 2009, 69, 109-117.	3.9	89
10	Ag nanocrystals anchored CeO ₂ /graphene nanocomposite for enhanced supercapacitor applications. Journal of Alloys and Compounds, 2015, 644, 534-544.	2.8	87
11	Evaluation of advanced oxidation processes (AOPs) integrated membrane bioreactor (MBR) for the real textile wastewater treatment. Journal of Environmental Management, 2019, 246, 768-775.	3.8	82
12	Electrochemical regeneration of granular activated carbon saturated with organic compounds. Chemical Engineering Journal, 2009, 155, 763-768.	6.6	80
13	Electrochemical Treatment of Simulated Textile Effluent. Chemical Engineering and Technology, 2001, 24, 749-753.	0.9	63
14	In situ electrocatalytic oxidation of acid violet 12 dye effluent. Journal of Hazardous Materials, 2006, 136, 239-243.	6.5	59
15	Solvothermal synthesis of BiPO ₄ nanorods/MWCNT (1D-1D) composite for photocatalyst and supercapacitor applications. Ceramics International, 2016, 42, 14196-14205.	2.3	59
16	Waste minimization and recovery of valuable metals from spent lithium-ion batteries - a review. Environmental Technology Reviews, 2013, 2, 101-115.	2.1	51
17	Electrochemical degradation of specialty chemical industry effluent. Journal of Hazardous Materials, 2010, 176, 154-164.	6.5	49
18	Development of novel Ag modified BiOF squares/g-C ₃ N ₄ composite for photocatalytic applications. Materials Science in Semiconductor Processing, 2016, 41, 59-66.	1.9	47

#	ARTICLE	IF	CITATIONS
19	d-Pencillamine assisted microwave synthesis of Bi ₂ S ₃ microflowers/RGO composites for photocatalytic degradation – A facile green approach. <i>Ceramics International</i> , 2014, 40, 14051-14060.	2.3	46
20	Investigation into photocatalytic decolorisation of CI Reactive Black 5 using titanium dioxide nanopowder. <i>Coloration Technology</i> , 2012, 128, 44-50.	0.7	42
21	Electrocoagulation-integrated hybrid membrane processes for the treatment of tannery wastewater. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7441-7449.	2.7	42
22	Development of reduced graphene oxide/CuBi ₂ O ₄ hybrid for enhanced photocatalytic behavior under visible light irradiation. <i>Ceramics International</i> , 2015, 41, 6164-6168.	2.3	38
23	Flow dynamics and mass transfer studies in a tubular electrochemical reactor with a mesh electrode. <i>Computers and Fluids</i> , 2013, 73, 97-103.	1.3	35
24	Fe ₂ O ₃ /reduced graphene oxide nanorod as efficient photocatalyst for methylene blue degradation. <i>Materials Research Innovations</i> , 2015, 19, 258-264.	1.0	32
25	Sonochemical synthesis and visible light induced photocatalytic property of reduced graphene oxide@ZnO hexagonal hollow rod nanocomposite. <i>Journal of Alloys and Compounds</i> , 2020, 836, 155377.	2.8	32
26	Solvothermal synthesis of Sm-doped BiOBr/RGO composite as an efficient photocatalytic material for methyl orange degradation. <i>Materials Letters</i> , 2014, 128, 287-290.	1.3	31
27	Facile solvothermal synthesis of BiOI microsquares as a novel electrode material for supercapacitor applications. <i>Materials Letters</i> , 2018, 210, 109-112.	1.3	31
28	Residence time distribution in continuous stirred tank electrochemical reactor. <i>Chemical Engineering Journal</i> , 2008, 142, 209-216.	6.6	29
29	Facile large scale synthesis of CuCr ₂ O ₄ /CuO nanocomposite using MOF route for photocatalytic degradation of methylene blue and tetracycline under visible light. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5365.	1.7	28
30	Evaluation of Electro-Oxidation of Textile Effluent Using Response Surface Methods. <i>Clean - Soil, Air, Water</i> , 2007, 35, 355-361.	0.7	27
31	Participation of Electrochemical Steps in Treating Tannery Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9786-9796.	1.8	26
32	Enhanced photocatalytic activity of degradation of azo, phenolic and triphenyl methane dyes using novel octagon shaped BiOCl discs/MWCNT composite. <i>Journal of Water Process Engineering</i> , 2016, 10, 165-171.	2.6	24
33	Removal of heavy metals by hybrid electrocoagulation and microfiltration processes. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2897-2902.	1.2	21
34	Tailoring the properties of cerium doped zinc oxide/reduced graphene oxide composite: Characterization, photoluminescence study, antibacterial activity. <i>Ceramics International</i> , 2018, 44, 19725-19734.	2.3	21
35	Treatment of Tannery Effluent Using a Rotating Disc Electrochemical Reactor. <i>Water Environment Research</i> , 2017, 89, 77-85.	1.3	20
36	Improvement of biodegradability index through electrocoagulation and advanced oxidation process. <i>International Journal of Industrial Chemistry</i> , 2014, 5, 1.	3.1	18

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37	Visible light photocatalysis of Methylene blue by graphene-based ZnO and Ag/AgCl nanocomposites. Desalination and Water Treatment, 2015, 54, 2748-2756.	1.0	18
38	Tanks in Series Model for Continuous Stirred Tank Electrochemical Reactor. Industrial & Engineering Chemistry Research, 2008, 47, 2976-2984.	1.8	17
39	Electro oxidation of dye effluent in a tubular electrochemical reactor using TiO ₂ /RuO ₂ anode. Journal of Water Process Engineering, 2016, 9, 155-160.	2.6	16
40	Drying of granular materials in circulating fluidized beds. Advanced Powder Technology, 2007, 18, 135-142.	2.0	14
41	Study on the inflammatory response of PMMA/polystyrene/silica nanocomposite membranes for drug delivery and dental applications. PLoS ONE, 2019, 14, e0209948.	1.1	14
42	Treatment of Petroleum Effluent Using a Tubular Electrochemical Reactor. Petroleum Science and Technology, 2014, 32, 1932-1939.	0.7	13
43	Equilibrium, kinetic and thermodynamic studies for the removal of Zn(II) and Ni(II) ions using magnetically recoverable graphene/Fe ₃ O ₄ composite. Desalination and Water Treatment, 2015, 56, 2485-2501.	1.0	13
44	Solvothermal synthesis and characterizations of graphene-ZnBi ₂ O ₇ nanocomposites for visible-light driven photocatalytic applications. Ceramics International, 2020, 46, 18534-18543.	2.3	12
45	A simplified approach to the drying of solids in a batch fluidised bed. Brazilian Journal of Chemical Engineering, 2002, 19, 293-298.	0.7	9
46	Physiochemical characterization and cytotoxicity evaluation of mercury-based formulation for the development of anticancer therapeutics. PLoS ONE, 2018, 13, e0195800.	1.1	9
47	Statistical modeling on COD removal from metal-working fluids through electrocoagulation process. Desalination and Water Treatment, 2015, 53, 2593-2603.	1.0	4
48	Kinetic and residence time distribution modeling of tubular electrochemical reactor: analysis of results using Taguchi method. Water Practice and Technology, 2021, 16, 108-116.	1.0	4
49	Drying Kinetics in the Riser of Circulating Fluidized Bed with Internals. Drying Technology, 2007, 25, 1595-1599.	1.7	3
50	Magnetically Recoverable Graphene Oxide Wrapped CuCo ₂ S ₄ /Iron Oxides Composites for Supercapacitor Application and Fenton Degradation of Organic Molecules. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1978-1991.	1.9	3
51	Bismuth Enriched Materials for Pseudo Capacitor Applications. , 2020, , ,		1