

# Basha Shaik

## List of Publications by Year in descending order

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36  
papers

2,236  
citations

236925

25  
h-index

361022

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2844  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics, equilibrium and thermodynamic studies on biosorption of hexavalent chromium by dead fungal biomass of marine <i>Aspergillus niger</i> . <i>Chemical Engineering Journal</i> , 2009, 145, 489-495.	12.7	256
2	Description of the small plastics fragments in marine sediments along the Alang-Sosiya ship-breaking yard, India. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 68, 656-660.	2.1	231
3	Evaluation of the emission characteristics of trace metals from coal and fuel oil fired power plants and their fate during combustion. <i>Journal of Hazardous Materials</i> , 2005, 123, 242-249.	12.4	145
4	Distribution, enrichment and accumulation of heavy metals in coastal sediments of Alang-Sosiya ship scrapping yard, India. <i>Marine Pollution Bulletin</i> , 2004, 48, 1055-1059.	5.0	132
5	Biosorption of hexavalent chromium by chemically modified seaweed, <i>Cystoseira indica</i> . <i>Chemical Engineering Journal</i> , 2008, 137, 480-488.	12.7	129
6	Sorption of Hg(II) onto <i>Carica papaya</i> : Experimental studies and design of batch sorber. <i>Chemical Engineering Journal</i> , 2009, 147, 226-234.	12.7	122
7	Kinetic and equilibrium models for biosorption of Cr(VI) on chemically modified seaweed, <i>Cystoseira indica</i> . <i>Process Biochemistry</i> , 2007, 42, 1521-1529.	3.7	115
8	Nanocrystalline cellulose for removal of tetracycline hydrochloride from water via biosorption: Equilibrium, kinetic and thermodynamic studies. <i>Ecological Engineering</i> , 2015, 84, 240-249.	3.6	106
9	Seasonal distribution and contamination levels of total PHCs, PAHs and heavy metals in coastal waters of the Alang-Sosiya ship scrapping yard, Gulf of Cambay, India. <i>Chemosphere</i> , 2005, 61, 1587-1593.	8.2	104
10	Sorption of Hg(II) from Aqueous Solutions onto <i>Carica papaya</i> : Application of Isotherms. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 980-986.	3.7	92
11	Nanocellulose for biosorption of chlorpyrifos from water: chemometric optimization, kinetics and equilibrium. <i>Cellulose</i> , 2017, 24, 1319-1332.	4.9	73
12	Assessment of heavy metal content in suspended particulate matter of coastal industrial town, Mithapur, Gujarat, India. <i>Atmospheric Research</i> , 2010, 97, 257-265.	4.1	69
13	Biosorption of Cr(VI) onto marine <i>Aspergillus niger</i> : experimental studies and pseudo-second order kinetics. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 1413-1421.	3.6	62
14	Studies on the Adsorption and Kinetics of Photodegradation of Pharmaceutical Compound, Indomethacin Using Novel Photocatalytic Adsorbents (IPCA). <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 11302-11309.	3.7	59
15	Quantification and classification of ship scraping waste at Alang-Sosiya, India. <i>Marine Pollution Bulletin</i> , 2003, 46, 1609-1614.	5.0	53
16	On the adsorption/photodegradation of amoxicillin in aqueous solutions by an integrated photocatalytic adsorbent (IPCA): experimental studies and kinetics analysis. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1014-1022.	2.9	48
17	Heavy Metal Content of Suspended Particulate Matter at World's Largest Ship-Breaking Yard, Alang-Sosiya, India. <i>Water, Air, and Soil Pollution</i> , 2007, 178, 373-384.	2.4	39
18	Photodegradation of Famotidine by Integrated Photocatalytic Adsorbent (IPCA) and Kinetic Study. <i>Catalysis Letters</i> , 2011, 141, 300-308.	2.6	31

#	ARTICLE	IF	CITATIONS
19	UV-induced photocatalytic degradation of aqueous acetaminophen: the role of adsorption and reaction kinetics. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2219-2230.	5.3	31
20	Estimation of Isotherm Parameters for Biosorption of Cd(II) and Pb(II) onto Brown Seaweed, <i>Lobophora variegata</i> . <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 449-455.	1.9	30
21	Efficient removal of Brilliant Blue G (BBG) from aqueous solutions by marine <i>Aspergillus wentii</i> : Kinetics, equilibrium and process design. <i>Ecological Engineering</i> , 2012, 41, 74-83.	3.6	29
22	Titanium dioxide based nanocomposites – Current trends and emerging strategies for the photocatalytic degradation of ruinous environmental pollutants. <i>Environmental Research</i> , 2022, 204, 112384.	7.5	29
23	Biosorption of Cd(II) and Pb(II) onto brown seaweed, <i>Lobophora variegata</i> (Lamouroux): kinetic and equilibrium studies. <i>Biodegradation</i> , 2009, 20, 1-13.	3.0	28
24	Hg(II) Removal from Aqueous Solution by Dead Fungal Biomass of Marine <i>Aspergillus niger</i> : Kinetic Studies. <i>Separation Science and Technology</i> , 2008, 43, 1221-1238.	2.5	27
25	Removal of Cu(II) and Ni(II) from Industrial Effluents by Brown Seaweed, <i>Cystoseira indica</i> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 961-975.	3.7	27
26	Occurrence and distribution of selected heavy metals and boron in groundwater of the Gulf of Khambhat region, Gujarat, India. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3880-3890.	5.3	26
27	Nanocellulose/TiO <sub>2</sub> composites: preparation, characterization and application in the photocatalytic degradation of a potential endocrine disruptor, mefenamic acid, in aqueous media. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1301-1309.	2.9	26
28	Pseudo-second-order kinetic models for the sorption of Hg(II) onto dead biomass of marine <i>Aspergillus niger</i> : Comparison of linear and non-linear methods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 328, 40-43.	4.7	24
29	Modeling the energy content of combustible ship-scraping waste at Alang – Sosiya, India, using multiple regression analysis. <i>Waste Management</i> , 2005, 25, 747-754.	7.4	20
30	Isotherm modeling for biosorption of Cu(II) and Ni(II) from wastewater onto brown seaweed, <i>Cystoseira indica</i> . <i>AIChE Journal</i> , 2008, 54, 3291-3302.	3.6	19
31	Biosorption of Inorganic Mercury onto Dead Biomass of Marine <i>Aspergillus niger</i> : Kinetic, Equilibrium, and Thermodynamic Studies. <i>Environmental Engineering Science</i> , 2009, 26, 531-539.	1.6	14
32	On the biosorption, by brown seaweed, <i>Lobophora variegata</i> , of Ni(II) from aqueous solutions: equilibrium and thermodynamic studies. <i>Biodegradation</i> , 2010, 21, 661-680.	3.0	13
33	Conductive polymer layered semiconductor for degradation of triclopyr acid and 2,4-dichlorophenoxyacetic acid from aqueous stream using coalesce adsorption-photocatalysis technique. <i>Chemosphere</i> , 2022, 298, 134360.	8.2	11
34	Kinetics, Isotherms, and Thermodynamics of Hg(II) Biosorption onto <i>Carica papaya</i> . <i>Bioremediation Journal</i> , 2011, 15, 26-34.	2.0	8
35	Equilibrium Modeling for Biosorption of Safranin onto Chemically Modified Biomass of Marine <i>Aspergillus wentii</i> . <i>Water, Air, and Soil Pollution</i> , 2011, 215, 679-691.	2.4	8
36	Sorption of Cr(VI) onto <i>Cystoseira indica</i> : Comparison of Regression Methods for Isotherms and Biomass Minimization. <i>Chemical Product and Process Modeling</i> , 2008, 3, .	0.9	0