

Soumyo Mukherji

List of Publications by Year in descending order

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147
papers

8,363
citations

94269

37
h-index

48187

88
g-index

149
all docs

149
docs citations

149
times ranked

12705
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyphenol stabilized copper nanoparticle formulations for rapid disinfection of bacteria and virus on diverse surfaces. <i>Nanotechnology</i> , 2022, 33, 035701.	1.3	4
2	Desorption kinetics of soil sorbed carbazole, fluorene, and dibenzothiophene by <i>P. aeruginosa</i> RS1 from single and multicomponent systems and elucidation of their interaction effects. <i>Biochemical Engineering Journal</i> , 2022, 180, 108367.	1.8	5
3	Characterization and biodegradability assessment of water-soluble fraction of oily sludge using stir bar sorptive extraction and GCxGC-TOF MS. <i>Environmental Pollution</i> , 2022, 304, 119177.	3.7	6
4	Evaluation of adsorbents and eluents for application in virus concentration and adsorption-desorption isotherms for coliphages. <i>Chemical Engineering Journal</i> , 2021, 403, 126267.	6.6	16
5	The novel SARS-CoV-2 pandemic: Possible environmental transmission, detection, persistence and fate during wastewater and water treatment. <i>Science of the Total Environment</i> , 2021, 765, 142746.	3.9	70
6	Evanescent Wave Optical Fiber Sensors Using Enzymatic Hydrolysis on Nanostructured Polyaniline for Detection of β -Lactam Antibiotics in Food and Environment. <i>Analytical Chemistry</i> , 2021, 93, 2299-2308.	3.2	32
7	Antiviral application of colloidal and immobilized silver nanoparticles. <i>Nanotechnology</i> , 2021, 32, 205102.	1.3	8
8	Hybrid Pattern Recognition for Rapid Explosive Sensing With Comprehensive Analysis. <i>IEEE Sensors Journal</i> , 2021, 21, 8011-8019.	2.4	11
9	Growth kinetics of <i>Pseudomonas aeruginosa</i> RS1 on fluorene and dibenzothiophene, concomitant degradation kinetics and uptake mechanism. <i>3 Biotech</i> , 2021, 11, 195.	1.1	9
10	Electrochemical Detection of Important Biomarker for Artificial Ripening of Mango by Polymethacrylic Acid Imprinted Polymer Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 5695-5702.	2.4	6
11	Role of precursors in the formation of trihalomethanes during chlorination of drinking water and wastewater effluents from a metropolitan region in western India. <i>Journal of Water Process Engineering</i> , 2021, 40, 101928.	2.6	22
12	Photocatalysis of dichlorvos using graphene oxide-TiO ₂ nanocomposite under visible irradiation: process optimization using response surface methodology. <i>Nanotechnology</i> , 2021, 32, 405708.	1.3	4
13	Efficacy and reusability of mixed-phase TiO ₂ @ZnO nanocomposites for the removal of estrogenic effects of 17 β -Estradiol and 17 α -Ethinylestradiol from water. <i>Journal of Environmental Management</i> , 2021, 288, 112340.	3.8	17
14	Label-Free Detection of <i>Escherichia coli</i> from Mixed Bacterial Cultures Using Bacteriophage T4 on Plasmonic Fiber-Optic Sensor. <i>ACS Sensors</i> , 2021, 6, 2720-2727.	4.0	20
15	Seasonal variation in fluorescence characteristics of dissolved organic matter in wastewater and identification of proteins through HRLC-MS/MS. <i>Journal of Hazardous Materials</i> , 2021, 413, 125453.	6.5	36
16	Development and evaluation of DEAE silica gel columns for simultaneous concentration of coliphages and rotavirus from natural water samples. <i>Water Research</i> , 2021, 203, 117508.	5.3	1
17	Environmental contamination by heterocyclic Polynuclear aromatic hydrocarbons and their microbial degradation. <i>Bioresource Technology</i> , 2021, 341, 125860.	4.8	29
18	Elucidation of substrate interaction effects in multicomponent systems containing 3-ring homocyclic and heterocyclic polynuclear aromatic hydrocarbons. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1394-1404.	1.7	2

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19	Enhanced antibacterial activity of decahedral silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	11
20	Natural Attenuation of Pharmaceuticals in the Aquatic Environment and Role of Phototransformation. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 65-94.	0.3	7
21	Surveillance and seasonal correlation of rotavirus A with coliphages and coliforms in two sewage impacted lakes in highly urbanized regions of western India. <i>Environmental Science: Water Research and Technology</i> , 2021, 8, 139-150.	1.2	2
22	A study of surface stress and flexural rigidity of symmetrically and asymmetrically biofunctionalized microcantilevers. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 025009.	1.5	1
23	Detection of Total Bacterial Load in Water Samples Using a Disposable Impedimetric Sensor. <i>IEEE Sensors Journal</i> , 2020, 20, 1712-1720.	2.4	7
24	A point of use sensor assay for detecting purely viral versus viral-bacterial samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 322, 128562.	4.0	6
25	Beta-lactam antibiotics induced bacteriolysis on LSPR sensors for assessment of antimicrobial resistance and quantification of antibiotics. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127945.	4.0	31
26	Extracellular synthesis of silver nanoparticles by <i>Thiosphaera pantotropha</i> and evaluation of their antibacterial and cytotoxic effects. <i>3 Biotech</i> , 2020, 10, 237.	1.1	11
27	Optical Fiber Sensors for Rapid Screening of COVID-19. , 2020, 5, 233-236.		37
28	Modeling growth kinetics and carbazole degradation kinetics of a <i>Pseudomonas aeruginosa</i> strain isolated from refinery sludge and uptake considerations during growth on carbazole. <i>Science of the Total Environment</i> , 2020, 738, 140277.	3.9	12
29	Eco-friendly decolorization and degradation of reactive yellow 145 textile dye by <i>Pseudomonas aeruginosa</i> and <i>Thiosphaera pantotropha</i> . <i>Journal of Environmental Management</i> , 2020, 263, 110383.	3.8	50
30	Degradation of carbazole, fluorene, dibenzothiophene and their mixture by <i>P. aeruginosa</i> RS1 in petroleum refinery wastewater. <i>Journal of Water Process Engineering</i> , 2020, 37, 101454.	2.6	11
31	Selective Removal of Photocatalytically Active Anatase TiO ₂ Phase from Mixed-Phase TiO ₂ -ZnO Nanocomposites: Impact on Physicochemical Properties and Photocatalytic Activity. <i>Energy and Environmental Materials</i> , 2020, 3, 548-559.	7.3	11
32	Polymer-Coated Fiber Optic Sensor as a Process Analytical Tool for Biopharmaceutical Impurity Detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 7666-7674.	2.4	5
33	Review on Occurrence and Toxicity of Pharmaceutical Contamination in Southeast Asia. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020, , 63-91.	0.3	23
34	Water disinfection using fixed bed reactors packed with silver nanoparticle immobilized glass capillary tubes. <i>Science of the Total Environment</i> , 2019, 689, 991-1000.	3.9	15
35	Impact of bioremediation strategies on slurry phase treatment of aged oily sludge from a refinery. <i>Journal of Environmental Management</i> , 2019, 246, 625-635.	3.8	30
36	Analytical tools for monitoring changes in physical and chemical properties of chromatography resin upon reuse. <i>Electrophoresis</i> , 2019, 40, 3074-3083.	1.3	3

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37	Impact of background water quality on disinfection performance and silver release of immobilized silver nanoparticles: Modeling disinfection kinetics, bactericidal mechanism and aggregation behavior. <i>Chemical Engineering Journal</i> , 2019, 372, 684-696.	6.6	28
38	Detecting Ocimene in mango using mustard oil based quartz crystal microbalance sensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 514-524.	4.0	14
39	LSPR based optical fiber sensor with chitosan capped gold nanoparticles on BSA for trace detection of Hg (II) in water, soil and food samples. <i>Biosensors and Bioelectronics</i> , 2019, 134, 90-96.	5.3	110
40	Optimization of Plasmonic U-Shaped Optical Fiber Sensor for Mercury Ions Detection Using Glucose Capped Silver Nanoparticles. <i>IEEE Sensors Journal</i> , 2019, 19, 3224-3231.	2.4	38
41	Synthesis, characterization and photocatalytic activity evaluation of TiO ₂ @ ZnO nanocomposites: Elucidating effect of varying Ti:Zn molar ratio. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 565, 47-58.	2.3	34
42	Bacteria functionalized gold nanoparticle matrix based fiber-optic sensor for monitoring heavy metal pollution in water. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 643-651.	4.0	40
43	Synthesis and characterization of size- and shape-controlled silver nanoparticles. <i>Physical Sciences Reviews</i> , 2019, 4, .	0.8	36
44	Single step, mould-free fabrication of polymer optical waveguides for localized surface plasmon resonance based sensing platform. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 243-255.	4.0	8
45	Effect of calcination temperature on the microstructure and electronic properties of TiO ₂ @ZnO nanocomposites and implications on photocatalytic activity. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 915-930.	1.6	8
46	Dendrimer as a multifunctional capping agent for metal nanoparticles for use in bioimaging, drug delivery and sensor applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2368-2384.	2.9	62
47	Hand-held optical sensor using denatured antibody coated electro-active polymer for ultra-trace detection of copper in blood serum and environmental samples. <i>Biosensors and Bioelectronics</i> , 2018, 110, 38-43.	5.3	30
48	Challenges in Detection of Antibiotics in Wastewater Matrix. <i>Energy, Environment, and Sustainability</i> , 2018, , 3-20.	0.6	17
49	Application of kinetic bioluminescence inhibition assay using live cultures of <i>Aliivibrio fischeri</i> for determination of zinc toxicity. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 1313-1322.	1.8	1
50	Surface plasmon resonance based sensor using polyester OHP sheet waveguides. , 2018, , .		1
51	Conducting polymer coated filter paper based disposable electronic tongue. , 2018, , .		1
52	Comparative life cycle assessment of microalgae-mediated CO ₂ capture in open raceway pond and airlift photobioreactor system. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 2357-2364.	2.1	24
53	1. Synthesis and characterization of size- and shape-controlled silver nanoparticles. , 2018, , 1-116.		1
54	Characterization, phylogenetic distribution and evolutionary trajectories of diverse hydrocarbon degrading microorganisms isolated from refinery sludge. <i>3 Biotech</i> , 2018, 8, 273.	1.1	11

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55	Optimization of media composition for enhancing carbazole degradation by <i>Pseudomonas aeruginosa</i> RS1. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2881-2891.	3.3	16
56	Polyaniline modified u-bent fiber optic pH sensor for physiological use. , 2018, , .		1
57	Characterization of electrochemical behaviour of <i>Escherichia coli</i> MTCC 1610 in a microbial fuel cell. <i>Bioresource Technology Reports</i> , 2018, 3, 67-74.	1.5	9
58	Fabrication of miniature elastomer lenses with programmable liquid mold for smartphone microscopy: curing polydimethylsiloxane with in situ curvature control. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	6
59	Threat Posed by Persistent Organochlorine Pesticides and their Mobility in the Environment. <i>Current Organic Chemistry</i> , 2018, 22, 954-972.	0.9	10
60	Disinfection of water in a batch reactor using chloridized silver surfaces. <i>Journal of Water Process Engineering</i> , 2017, 16, 41-49.	2.6	16
61	Growth and biochemical characteristics of an indigenous freshwater microalga, <i>Scenedesmus obtusus</i> , cultivated in an airlift photobioreactor: effect of reactor hydrodynamics, light intensity, and photoperiod. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1057-1068.	1.7	16
62	Life cycle assessment of microalgae based biodiesel production to evaluate the impact of biomass productivity and energy source. <i>Resources, Conservation and Recycling</i> , 2017, 122, 286-294.	5.3	59
63	Substrate interaction effects during pyrene biodegradation by <i>Pseudomonas aeruginosa</i> RS1. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1791-1800.	3.3	13
64	Label free ultrasensitive optical sensor decorated with polyaniline nanofibers: Characterization and immunosensing application. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 443-450.	4.0	37
65	Performance of an algal-bacterial system for treatment of biomass gasifier wastewater in a 16-L RBC at 36 h HRT. <i>Materials Today: Proceedings</i> , 2016, 3, 3418-3426.	0.9	1
66	Emission of bacterial bioaerosols from a composting facility in Maharashtra, India. <i>Waste Management</i> , 2016, 53, 22-31.	3.7	39
67	Design and Fabrication of Lossy Mode Resonance Based U-Shaped Fiber Optic Refractometer Utilizing Dual Sensing Phenomenon. <i>Journal of Lightwave Technology</i> , 2016, 34, 4187-4194.	2.7	19
68	Plasmonic-ELISA: expanding horizons. <i>RSC Advances</i> , 2016, 6, 85440-85456.	1.7	83
69	Start-up of sequencing batch reactor with <i>Thiosphaera pantotropha</i> for treatment of high-strength nitrogenous wastewater and sludge characterization. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20065-20080.	2.7	6
70	Occurrence and fate of pharmaceuticals in WWTPs in India and comparison with a similar study in the United States. <i>Chemosphere</i> , 2016, 159, 526-535.	4.2	180
71	Evaluation of indigenous fresh water microalga <i>Scenedesmus obtusus</i> for feed and fuel applications: Effect of carbon dioxide, light and nutrient sources on growth and biochemical characteristics. <i>Bioresource Technology</i> , 2016, 207, 430-439.	4.8	62
72	Probing the Localized Surface Plasmon Field of a Gold Nanoparticle-Based Fibre Optic Biosensor. <i>Plasmonics</i> , 2016, 11, 753-761.	1.8	30

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73	Diverse effect of surfactants on pyrene biodegradation by a <i>Pseudomonas</i> strain utilizing pyrene by cell surface hydrophobicity induction. <i>International Biodeterioration and Biodegradation</i> , 2016, 108, 67-75.	1.9	50
74	LSPR based fiber optic sensor for detection of <i>E. coli</i> using bacteriophage T4. , 2015, , .		4
75	Mental stress assessment - a comparison between HRV based and respiration based techniques. , 2015, , .		7
76	Estimation of carbon dioxide sequestration potential of microalgae grown in a batch photobioreactor. <i>Bioresource Technology</i> , 2015, 180, 370-375.	4.8	33
77	Arginine-assisted immobilization of silver nanoparticles on ZnO nanorods: an enhanced and reusable antibacterial substrate without human cell cytotoxicity. <i>Nanoscale</i> , 2015, 7, 7415-7429.	2.8	151
78	Facile Synthesis of Size-Tunable Silver Nanoparticles by Heteroepitaxial Growth Method for Efficient NIR SERS. <i>Plasmonics</i> , 2015, 10, 753-763.	1.8	12
79	Gold nanoparticles and nanostructures in optical biosensors. <i>Materials Technology</i> , 2015, 30, B167-B177.	1.5	8
80	Facile synthesis of size and wavelength tunable hollow gold nanostructures for the development of a LSPR based label-free fiber-optic biosensor. <i>RSC Advances</i> , 2015, 5, 69970-69979.	1.7	27
81	Defatted algal biomass as a non-conventional low-cost adsorbent: Surface characterization and methylene blue adsorption characteristics. <i>Bioresource Technology</i> , 2015, 184, 395-404.	4.8	68
82	Characterization of oily sludge from a refinery and biodegradability assessment using various hydrocarbon degrading strains and reconstituted consortia. <i>Journal of Environmental Management</i> , 2015, 149, 118-125.	3.8	94
83	Treatment of simulated biomass gasification wastewater of varying strength in a three stage rotating biological contactor. <i>Chemical Engineering Journal</i> , 2015, 259, 303-312.	6.6	10
84	Gold nanoparticle coated U-bend fibre optic probe for localized surface plasmon resonance based detection of explosive vapours. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 804-811.	4.0	68
85	Statistical optimization of thermal pretreatment conditions for enhanced biomethane production from defatted algal biomass. <i>Bioresource Technology</i> , 2014, 162, 157-165.	4.8	28
86	Optimal Design for U-bent Fiber-optic LSPR Sensor Probes. <i>Plasmonics</i> , 2014, 9, 251-260.	1.8	69
87	Glucose mediated synthesis of gold nanoshells: A facile and eco-friendly approach conferring high colloidal stability. <i>RSC Advances</i> , 2014, 4, 3984-3991.	1.7	18
88	Evaluation of bioaugmentation and biostimulation effects on the treatment of refinery oily sludge using 2 ⁿ full factorial design. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1889-1896.	1.7	26
89	Size-controlled silver nanoparticles synthesized over the range 5â€“100 nm using the same protocol and their antibacterial efficacy. <i>RSC Advances</i> , 2014, 4, 3974-3983.	1.7	1,421
90	A dendrimer matrix for performance enhancement of evanescent wave absorption-based fiber-optic biosensors. <i>RSC Advances</i> , 2014, 4, 15841.	1.7	33

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91	Biodegradation of pyrene by a <i>Pseudomonas aeruginosa</i> strain RS1 isolated from refinery sludge. <i>Bioresource Technology</i> , 2014, 166, 548-558.	4.8	77
92	Determination of penetration depth of localized surface plasmon resonance fiber optic probe using polyelectrolyte multilayers. , 2014, , .		2
93	Removal of Chemical Oxygen Demand and Color from Simulated Textile Wastewater Using a Combination of Chemical/Physicochemical Processes. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 10063-10071.	1.8	48
94	Batch studies with <i>Exiguobacterium aurantiacum</i> degrading structurally diverse organic compounds and its potential for treatment of biomass gasification wastewater. <i>International Biodeterioration and Biodegradation</i> , 2013, 80, 1-9.	1.9	22
95	Immobilized silver nanoparticles enhance contact killing and show highest efficacy: elucidation of the mechanism of bactericidal action of silver. <i>Nanoscale</i> , 2013, 5, 7328.	2.8	409
96	Surfactant aided biodegradation of NAPLs by <i>Burkholderia multivorans</i> : Comparison between Triton X-100 and rhamnolipid JBR-515. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 644-652.	2.5	58
97	Practical Considerations and Challenges Involved in Surfactant Enhanced Bioremediation of Oil. <i>BioMed Research International</i> , 2013, 2013, 1-16.	0.9	66
98	Novel bent-tapered mode converting multimode optical fiber sensor based on Evanescent Wave Absorption. , 2013, , .		3
99	Comparison of micro fabricated C and S bend shape SU-8 polymer waveguide of different bending diameters for maximum sensitivity. , 2012, , .		1
100	U-bend fiber optic sensor using 6-mercaptopuric acid (6-MNA) functionalized gold nanoparticles for detection of explosives RDX and TNT. , 2012, , .		1
101	Antimicrobial chitosanâ€PVA hydrogel as a nanoreactor and immobilizing matrix for silver nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 179-188.	1.6	141
102	Dendrimeric nano-glue material for localized surface plasmon resonance-based fiber-optic sensors. <i>Applied Nanoscience (Switzerland)</i> , 2012, 2, 293-297.	1.6	9
103	Biosorption of diesel and lubricating oil on algal biomass. <i>3 Biotech</i> , 2012, 2, 301-310.	1.1	19
104	Treatment of aqueous effluents containing non-aqueous phase liquids in rotating biological contactor with algal bacterial biofilm. <i>Chemical Engineering Journal</i> , 2012, 200-202, 459-470.	6.6	16
105	Antimicrobial Activity of Silver and Copper Nanoparticles: Variation in Sensitivity Across Various Strains of Bacteria and Fungi. , 2012, , 225-251.		21
106	Alteration in cell surface properties of <i>Burkholderia</i> spp. during surfactant-aided biodegradation of petroleum hydrocarbons. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 193-204.	1.7	59
107	Degradation of phenolics, nitrogen-heterocyclics and polynuclear aromatic hydrocarbons in a rotating biological contactor. <i>Bioresource Technology</i> , 2012, 111, 12-20.	4.8	48
108	â€œOrganic Cantileverâ€ A Nanomechanical Polymer Cantilever Sensor With Integrated OFET. <i>Journal of Microelectromechanical Systems</i> , 2012, 21, 294-301.	1.7	30

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109	Bacterial Degradation of High Molecular Weight Polynuclear Aromatic Hydrocarbons. Environmental Science and Engineering, 2012, , 189-211.	0.1	8
110	Characterization and Proinflammatory Response of Airborne Biological Particles from Wastewater Treatment Plants. Environmental Science & Technology, 2011, 45, 3282-3287.	4.6	48
111	Dendrimers in biosensors: Concept and applications. Journal of Materials Chemistry, 2011, 21, 14367.	6.7	144
112	PHOTOPLASTIC MICROCANTILEVER SENSOR PLATFORM FOR EXPLOSIVE DETECTION. International Journal of Nanoscience, 2011, 10, 739-743.	0.4	8
113	Response of an Algal Consortium to Diesel under Varying Culture Conditions. Applied Biochemistry and Biotechnology, 2010, 160, 719-729.	1.4	6
114	Effect of co-contaminant phenol on performance of a laboratory-scale RBC with algal-bacterial biofilm treating petroleum hydrocarbon-rich wastewater. Journal of Chemical Technology and Biotechnology, 2010, 85, 851-859.	1.6	32
115	Surface hydrophobicity of petroleum hydrocarbon degrading Burkholderia strains and their interactions with NAPLs and surfaces. Colloids and Surfaces B: Biointerfaces, 2010, 78, 101-108.	2.5	70
116	UV photodiode based portable fiber optic biosensor. , 2010, , .		0
117	Biodegradation of oil in oily sludges from steel mills. Bioresource Technology, 2009, 100, 1700-1703.	4.8	46
118	Novel U-bent fiber optic probe for localized surface plasmon resonance based biosensor. Biosensors and Bioelectronics, 2009, 24, 2804-2809.	5.3	259
119	Nature and prevalence of non-additive toxic effects in industrially relevant mixtures of organic chemicals. Chemosphere, 2009, 75, 1429-1439.	4.2	21
120	Surface characteristics of shales and implication on metal sorption. Environmental Chemistry Letters, 2008, 6, 91-94.	8.3	7
121	Treatment of hydrocarbon-rich wastewater using oil degrading bacteria and phototrophic microorganisms in rotating biological contactor: Effect of N:P ratio. Journal of Hazardous Materials, 2008, 154, 63-72.	6.5	114
122	Potential of carbon nanomaterials for removal of heavy metals from water. Desalination, 2008, 232, 145-156.	4.0	172
123	Dimensional analysis for modeling oxygen transfer in rotating biological contactor. Bioresource Technology, 2008, 99, 3721-3728.	4.8	24
124	Strain specificity in antimicrobial activity of silver and copper nanoparticles. Acta Biomaterialia, 2008, 4, 707-716.	4.1	1,604
125	Biodegradation rate of diesel range n-alkanes by bacterial cultures Exiguobacterium aurantiacum and Burkholderia cepacia. International Biodeterioration and Biodegradation, 2008, 61, 240-250.	1.9	104
126	Geochemistry of shales from the Paleoproterozoic to Neoproterozoic Vindhyan Supergroup: Implications on provenance, tectonics and paleoweathering. Journal of Asian Earth Sciences, 2008, 32, 34-48.	1.0	142

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127	Toxicity assessment of organic pollutants: Reliability of bioluminescence inhibition assay and univariate QSAR models using freshly prepared <i>Vibrio fischeri</i> . <i>Toxicology in Vitro</i> , 2008, 22, 1806-1813.	1.1	27
128	Toxicity assessment of organic contaminants: Evaluation of mixture effects in model industrial mixtures using 2n full factorial design. <i>Chemosphere</i> , 2008, 73, 1049-1055.	4.2	13
129	Effect of an emulsifying surfactant on diesel degradation by cultures exhibiting inducible cell surface hydrophobicity. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 1004-1011.	1.6	31
130	A review on advantages of implementing luminescence inhibition test (<i>Vibrio fischeri</i>) for acute toxicity prediction of chemicals. <i>Environment International</i> , 2006, 32, 265-268.	4.8	360
131	Microbial uptake of diesel oil sorbed on soil and oil spill clean-up sorbents. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 587-593.	1.6	23
132	Sorption behavior of heavy metal pollutants onto shales and correlation with shale geochemistry. <i>Environmental Geology</i> , 2005, 47, 1162-1170.	1.2	7
133	Biodegradation of diesel oil by an Arabian Sea sediment culture isolated from the vicinity of an oil field. <i>Bioresource Technology</i> , 2004, 95, 281-286.	4.8	73
134	Microcantilever based Biosensors. <i>IETE Technical Review (Institution of Electronics and)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,462 Td (Te	2.1	4
135	Status and Trends in Molecular Electronics. <i>IETE Technical Review (Institution of Electronics and)</i> Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	2
136	Comparative mutagenicity assessment of aerosols in emissions from biofuel combustion. <i>Atmospheric Environment</i> , 2002, 36, 5627-5635.	1.9	22
137	Mass transfer effects on microbial uptake of naphthalene from complex NAPLs. <i>Biotechnology and Bioengineering</i> , 2001, 75, 750-60.	1.7	0
138	Unifac modeling of multicomponent nonaqueous phase liquids containing polycyclic aromatic hydrocarbons. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 426-429.	2.2	23
139	Mass transfer effects on microbial uptake of naphthalene from complex NAPLs. <i>Biotechnology and Bioengineering</i> , 1998, 60, 750-760.	1.7	20
140	Mass transfer effects on microbial uptake of naphthalene from complex NAPLs. <i>Biotechnology and Bioengineering</i> , 1998, 60, 750-60.	1.7	1
141	Phase Stability of Multicomponent NAPLs Containing PAHs. <i>Environmental Science & Technology</i> , 1997, 31, 2540-2546.	4.6	52
142	Mass Transfer of Polynuclear Aromatic Hydrocarbons from Complex DNAPL Mixtures. <i>Environmental Science & Technology</i> , 1997, 31, 416-423.	4.6	89
143	Characterization of Anhydrous Silanization and Antibody Immobilization on Silicon dioxide Surface. , O, , .		0
144	A meso-pyridyl pophyrin self-assembled monolayer on gold substrates for molecular electronics applications. , O, , .		2

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145	Fast algorithms for binary cross-correlation. , 0, , .		3
146	Bridging the gaps in the global governance of antimicrobial resistance: the UN sustainable development goals and global health security agenda. , 0, 1, 8.		3
147	Performance of treatment schemes comprising chromium-hydrogen peroxide-based advanced oxidation process for textile wastewater. Environmental Science and Pollution Research, 0, , .	2.7	0