Kunwar P Singh

List of Publications by Year
in descending order

78 papers	9,926 citations	70961 41 h-index	66788 78 g-index
82 all docs	82 docs citations	82 times ranked	10338 citing authors

#	Article	IF	Citations
1	Multivariate statistical techniques for the evaluation of spatial and temporal variations in water quality of Gomti River (India)â€"a case study. Water Research, 2004, 38, 3980-3992.	5.3	1,239
2	Single- and multi-component adsorption of cadmium and zinc using activated carbon derived from bagasseâ€"an agricultural waste. Water Research, 2002, 36, 2304-2318.	5.3	971
3	Water quality assessment and apportionment of pollution sources of Gomti river (India) using multivariate statistical techniquesâ€"a case study. Analytica Chimica Acta, 2005, 538, 355-374.	2.6	717
4	Studies on distribution and fractionation of heavy metals in Gomti river sedimentsâ€"a tributary of the Ganges, India. Journal of Hydrology, 2005, 312, 14-27.	2.3	541
5	Artificial neural network modeling of the river water qualityâ€"A case study. Ecological Modelling, 2009, 220, 888-895.	1.2	516
6	Impact assessment of treated/untreated wastewater toxicants discharged by sewage treatment plants on health, agricultural, and environmental quality in the wastewater disposal area. Chemosphere, 2004, 55, 227-255.	4.2	379
7	Trivalent chromium removal from wastewater using low cost activated carbon derived from agricultural waste material and activated carbon fabric cloth. Journal of Hazardous Materials, 2006, 135, 280-295.	6.5	370
8	Optimizing adsorption of crystal violet dye from water by magnetic nanocomposite using response surface modeling approach. Journal of Hazardous Materials, 2011, 186, 1462-1473.	6.5	357
9	Removal of Hexavalent Chromium from Aqueous Solution Using Low-Cost Activated Carbons Derived from Agricultural Waste Materials and Activated Carbon Fabric Cloth. Industrial & Engineering Chemistry Research, 2005, 44, 1027-1042.	1.8	332
10	Removal of Dyes from Wastewater Using Flyash, a Low-Cost Adsorbentâ€. Industrial & Engineering Chemistry Research, 2002, 41, 3688-3695.	1.8	321
11	Color Removal from Wastewater Using Low-Cost Activated Carbon Derived from Agricultural Waste Material. Industrial & Engineering Chemistry Research, 2003, 42, 1965-1976.	1.8	296
12	Support vector machines in water quality management. Analytica Chimica Acta, 2011, 703, 152-162.	2.6	225
13	Wastewater treatment using low cost activated carbons derived from agricultural byproductsâ€"A case study. Journal of Hazardous Materials, 2008, 152, 1045-1053.	6.5	222
14	Estimation of Source of Heavy Metal Contamination in Sediments of Gomti River (India) using Principal Component Analysis. Water, Air, and Soil Pollution, 2005, 166, 321-341.	1.1	174
15	Liquid-phase adsorption of phenols using activated carbons derived from agricultural waste material. Journal of Hazardous Materials, 2008, 150, 626-641.	6.5	172
16	Distribution of polycyclic aromatic hydrocarbons in water and bed sediments of the Gomti River, India. Environmental Monitoring and Assessment, 2011, 172, 529-545.	1.3	163
17	Chemometric analysis of groundwater quality data of alluvial aquifer of Gangetic plain, North India. Analytica Chimica Acta, 2005, 550, 82-91.	2.6	141
18	Linear and nonlinear modeling approaches for urban air quality prediction. Science of the Total Environment, 2012, 426, 244-255.	3.9	131

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19	Levels and distribution of persistent organochlorine pesticide residues in water and sediments of Gomti River (India)â€"a tributary of the Ganges River. Environmental Monitoring and Assessment, 2009, 148, 421-435.	1.3	126
20	Removal of pyridine from aqueous solution using low cost activated carbons derived from agricultural waste materials. Carbon, 2004, 42, 2409-2421.	5.4	118
21	Status of Heavy Metals in Water and Bed Sediments of River Gomti â€" A Tributary of the Ganga River, India. Environmental Monitoring and Assessment, 2005, 105, 43-67.	1.3	117
22	Persistent Organochlorine Pesticide Residues in Soil and Surface Water of Northern Indo-Gangetic Alluvial Plains. Environmental Monitoring and Assessment, 2007, 125, 147-155.	1.3	107
23	Experimental design and response surface modeling for optimization of Rhodamine B removal from water by magnetic nanocomposite. Chemical Engineering Journal, 2010, 165, 151-160.	6.6	98
24	Linear and nonlinear modeling for simultaneous prediction of dissolved oxygen and biochemical oxygen demand of the surface water â€" A case study. Chemometrics and Intelligent Laboratory Systems, 2010, 104, 172-180.	1.8	88
25	Chemometric data analysis of pollutants in wastewaterâ€"a case study. Analytica Chimica Acta, 2005, 532, 15-25.	2.6	86
26	Occurrence of pharmaceuticals in urban wastewater of north Indian cities and risk assessment. Environmental Monitoring and Assessment, 2014, 186, 6663-6682.	1.3	85
27	Removal of Fluoride from Aqueous Solutions byEichhornia crassipesBiomass and Its Carbonized Form. Industrial & Engineering Chemistry Research, 2003, 42, 6911-6918.	1.8	83
28	Evaluation of Groundwater Quality in Northern Indo-Gangetic Alluvium Region. Environmental Monitoring and Assessment, 2006, 112, 211-230.	1.3	80
29	Evaluating influences of seasonal variations and anthropogenic activities on alluvial groundwater hydrochemistry using ensemble learning approaches. Journal of Hydrology, 2014, 511, 254-266.	2.3	76
30	Receptor modeling for source apportionment of polycyclic aromatic hydrocarbons in urban atmosphere. Environmental Monitoring and Assessment, 2007, 136, 183-196.	1.3	71
31	Predicting acute aquatic toxicity of structurally diverse chemicals in fish using artificial intelligence approaches. Ecotoxicology and Environmental Safety, 2013, 95, 221-233.	2.9	71
32	Removal of pyridine derivatives from aqueous solution by activated carbons developed from agricultural waste materials. Carbon, 2005, 43, 1680-1693.	5.4	70
33	Optimization of Cr(VI) reduction by zero-valent bimetallic nanoparticles using the response surface modeling approach. Desalination, 2011, 270, 275-284.	4.0	68
34	Artificial intelligence based modeling for predicting the disinfection by-products in water. Chemometrics and Intelligent Laboratory Systems, 2012, 114, 122-131.	1.8	65
35	Studies on defluoridation of water by coal-based sorbents. Journal of Chemical Technology and Biotechnology, 2001, 76, 717-722.	1.6	63
36	Modeling the performance of â€œup-flow anaerobic sludge blanketâ€•reactor based wastewater treatment plant using linear and nonlinear approachesâ€"A case study. Analytica Chimica Acta, 2010, 658, 1-11.	2.6	61

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37	Vapor-Phase Adsorption of Hexane and Benzene on Activated Carbon Fabric Cloth:â€‰ Equilibria and Rate Studies. Industrial & Engineering Chemistry Research, 2002, 41, 2480-2486.	1.8	57
38	Valorization of Poly (ethylene) terephthalate (PET) wastes into magnetic carbon for adsorption of antibiotic from water: Characterization and application. Journal of Environmental Management, 2018, 207, 249-261.	3.8	55
39	Partial least squares and artificial neural networks modeling for predicting chlorophenol removal from aqueous solution. Chemometrics and Intelligent Laboratory Systems, 2009, 99, 150-160.	1.8	54
40	Predicting carcinogenicity of diverse chemicals using probabilistic neural network modeling approaches. Toxicology and Applied Pharmacology, 2013, 272, 465-475.	1.3	48
41	Hydrochemistry of Wet Atmospheric Precipitation Over an Urban Area in Northern Indo-Gangetic Plains. Environmental Monitoring and Assessment, 2007, 131, 237-254.	1.3	42
42	Modeling and optimization of reductive degradation of chloramphenicol in aqueous solution by zero-valent bimetallic nanoparticles. Environmental Science and Pollution Research, 2012, 19, 2063-2078.	2.7	42
43	Predicting Toxicities of Diverse Chemical Pesticides in Multiple Avian Species Using Tree-Based QSAR Approaches for Regulatory Purposes. Journal of Chemical Information and Modeling, 2015, 55, 1337-1348.	2.5	42
44	Multi-way partial least squares modeling of water quality data. Analytica Chimica Acta, 2007, 584, 385-396.	2.6	37
45	Optimizing removal of ibuprofen from water by magnetic nanocomposite using Boxâ€"Behnken design. Environmental Science and Pollution Research, 2012, 19, 724-738.	2.7	37
46	Predicting aquatic toxicities of chemical pesticides in multiple test species using nonlinear QSTR modeling approaches. Chemosphere, 2015, 139, 246-255.	4.2	36
47	Multi-way data analysis of soils irrigated with wastewaterâ€"A case study. Chemometrics and Intelligent Laboratory Systems, 2006, 83, 1-12.	1.8	34
48	Predicting human intestinal absorption of diverse chemicals using ensemble learning based QSAR modeling approaches. Computational Biology and Chemistry, 2016, 61, 178-196.	1.1	34
49	Removal of Î±-Picoline, Î²-Picoline, and Î³-Picoline from Synthetic Wastewater Using Low Cost Activated Carbons Derived from Coconut Shell Fibers. Environmental Science & Technology, 2005, 39, 5076-5086.	4.6	33
50	Distribution of nitrogen species in groundwater aquifers of an industrial area in alluvial Indo-Gangetic Plainsâ€"a case study. Environmental Geochemistry and Health, 2006, 28, 473-485.	1.8	33
51	Modeling and optimization of trihalomethanes formation potential of surface water (a drinking) Tj ETQq1 1 0.784314 rgBT /Overlock 10 113-127.	2.7	33
52	Modeling the toxicity of chemical pesticides in multiple test species using local and global QSTR approaches. Toxicology Research, 2016, 5, 340-353.	0.9	33
53	Distribution of Polycyclic Aromatic Hydrocarbons in Edible Fish from Gomti River, India. Bulletin of Environmental Contamination and Toxicology, 2008, 80, 134-138.	1.3	32
54	Iron-induced oxidative stress in a macrophyte: A chemometric approach. Ecotoxicology and Environmental Safety, 2009, 72, 585-595.	2.9	32

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55	Predicting adsorptive removal of chlorophenol from aqueous solution using artificial intelligence based modeling approaches. Environmental Science and Pollution Research, 2013, 20, 2271-2287.	2.7	31
56	Multivariate modeling of chromium-induced oxidative stress and biochemical changes in plants of Pistia stratiotes L.. Ecotoxicology, 2009, 18, 555-566.	1.1	28
57	Multi-way modeling of hydro-chemical data of an alluvial river systemâ€"A case study. Analytica Chimica Acta, 2006, 571, 248-259.	2.6	26
58	chemometric analysis of hydro-chemical data of an alluvial river â€" a case study. Water, Air, and Soil Pollution, 2006, 170, 383-404.	1.1	26
59	Groundwater quality appraisal and its hydrochemical characterization in Ghaziabad (a region of) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.8	25
60	Optimization of nitrate reduction by EDTA catalyzed zero-valent bimetallic nanoparticles in aqueous medium. Environmental Science and Pollution Research, 2012, 19, 3914-3924.	2.7	24
61	In silico prediction of toxicity of non-congeneric industrial chemicals using ensemble learning based modeling approaches. Toxicology and Applied Pharmacology, 2014, 275, 198-212.	1.3	24
62	Modeling the reactivities of hydroxyl radical and ozone towards atmospheric organic chemicals using quantitative structure-reactivity relationship approaches. Environmental Science and Pollution Research, 2016, 23, 14034-14046.	2.7	24
63	Optimization of phosphate removal from aqueous solution using activated carbon supported zero-valent iron nanoparticles: application of RSM approach. Applied Water Science, 2018, 8, 1.	2.8	22
64	QSAR modeling for predicting reproductive toxicity of chemicals in rats for regulatory purposes. Toxicology Research, 2016, 5, 1029-1038.	0.9	21
65	Multi-way data modeling of heavy metal fractionation in sediments from Gomti River (India). Chemometrics and Intelligent Laboratory Systems, 2007, 87, 185-193.	1.8	20
66	QSTR modeling for predicting aquatic toxicity of pharmacological active compounds in multiple test species for regulatory purpose. Chemosphere, 2015, 120, 680-689.	4.2	20
67	Exploring groundwater hydrochemistry of alluvial aquifers using multi-way modeling. Analytica Chimica Acta, 2007, 596, 171-182.	2.6	15
68	Investigating hydrochemistry of groundwater in Indo-Gangetic alluvial plain using multivariate chemometric approaches. Environmental Science and Pollution Research, 2014, 21, 6001-6015.	2.7	15
69	A three-tier QSAR modeling strategy for estimating eye irritation potential of diverse chemicals in rabbit for regulatory purposes. Regulatory Toxicology and Pharmacology, 2016, 77, 282-291.	1.3	15
70	In silico prediction of the developmental toxicity of diverse organic chemicals in rodents for regulatory purposes. Toxicology Research, 2016, 5, 773-787.	0.9	13
71	Predicting aquatic toxicities of benzene derivatives in multiple test species using local, global and interspecies QSTR modeling approaches. RSC Advances, 2015, 5, 71153-71163.	1.7	11
72	Vertical characterization of soil contamination using multi-way modeling â€" A case study. Environmental Monitoring and Assessment, 2008, 146, 19-32.	1.3	10

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73	Chemometrics assisted spectrophotometric determination of pyridine in water and wastewater. Analytica Chimica Acta, 2008, 630, 10-18.	2.6	10
74	Predicting dissolved oxygen concentration using kernel regression modeling approaches with nonlinear hydro-chemical data. Environmental Monitoring and Assessment, 2014, 186, 2749-2765.	1.3	9
75	Multi-Block Data Modeling for Characterization of Soil Contamination: A Case Study. Water, Air, and Soil Pollution, 2007, 185, 79-93.	1.1	8
76	Inter-moieties reactivity correlations: an approach to estimate the reactivity endpoints of major atmospheric reactants towards organic chemicals. RSC Advances, 2016, 6, 50297-50305.	1.7	8
77	Reply to â€œComment on the Removal Mechanism of Hexavalent Chromium by Biomaterials or Biomaterial-Based Activated Carbonsâ€•(Comment on â€œRemoval of Hexavalent Chromium from Aqueous) Tj ETQq1 1 0.784314 rg	1.8	2
78	Modeling the binding affinity of structurally diverse industrial chemicals to carbon using the artificial intelligence approaches. Environmental Science and Pollution Research, 2015, 22, 17810-17827.	2.7	2