Vinod Kumar Garg

List of Publications by Year
in descending order

113	8,931	41344	42399
papers	citations	49 h-index	92 g-index

114	114	114	7674
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dye removal from aqueous solution by adsorption on treated sawdust. Bioresource Technology, 2003, 89, 121-124.	9.6	644
2	Removal of lead(II) by adsorption using treated granular activated carbon: Batch and column studies. Journal of Hazardous Materials, 2005, 125, 211-220.	12.4	642
3	Removal of hexavalent chromium from aqueous solution by agricultural waste biomass. Journal of Hazardous Materials, 2007, 140, 60-68.	12.4	463
4	Removal of Nickel(II) from aqueous solution by adsorption on agricultural waste biomass using a response surface methodological approach. Bioresource Technology, 2008, 99, 1325-1331.	9.6	290
5	Removal of cadmium (II) from aqueous solutions by adsorption on agricultural waste biomass. Journal of Hazardous Materials, 2008, 154, 1149-1157.	12.4	272
6	Chromium(VI) removal from aqueous system using Helianthus annuus (sunflower) stem waste. Journal of Hazardous Materials, 2009, 162, 365-372.	12.4	242
7	Adsorption of chromium from aqueous solution on treated sawdust. Bioresource Technology, 2004, 92, 79-81.	9.6	230
8	Development of iron oxide/activated carbon nanoparticle composite for the removal of Cr(VI), Cu(II) and Cd(II) ions from aqueous solution. Water Resources and Industry, 2018, 20, 54-74.	3.9	226
9	Vermicomposting of mixed solid textile mill sludge and cow dung with the epigeic earthworm Eisenia foetida. Bioresource Technology, 2003, 90, 311-316.	9.6	197
10	Removal of Cr(VI) from aqueous solutions using pre-consumer processing agricultural waste: A case study of rice husk. Journal of Hazardous Materials, 2009, 162, 312-320.	12.4	192
11	Stabilization of primary sewage sludge during vermicomposting. Journal of Hazardous Materials, 2008, 153, 1023-1030.	12.4	188
12	Analysis of groundwater quality using fuzzy synthetic evaluation. Journal of Hazardous Materials, 2007, 147, 938-946.	12.4	187
13	Vermistabilization of textile mill sludge spiked with poultry droppings by an epigeic earthworm Eisenia foetida. Bioresource Technology, 2005, 96, 1063-1071.	9.6	184
14	A comparative study for the removal of hexavalent chromium from aqueous solution by agriculture wastesâ€™ carbons. Journal of Hazardous Materials, 2009, 171, 83-92.	12.4	163
15	Comparative analysis of vermicompost quality produced from rice straw and paper waste employing earthworm Eisenia fetida (Sav.). Bioresource Technology, 2018, 250, 708-715.	9.6	161
16	Adsorption of hexavalent chromium from aqueous medium onto carbonaceous adsorbents prepared from waste biomass. Journal of Environmental Management, 2010, 91, 949-957.	7.8	153
17	Green synthesis of Fe3O4 nanoparticles loaded sawdust carbon for cadmium (II) removal from water: Regeneration and mechanism. Chemosphere, 2018, 208, 818-828.	8.2	151
18	Recycling of organic wastes by employing Eisenia fetida. Bioresource Technology, 2011, 102, 2874-2880.	9.6	142

#	ARTICLE	IF	CITATIONS
19	Dynamics of biological and chemical parameters during vermicomposting of solid textile mill sludge mixed with cow dung and agricultural residues. Bioresource Technology, 2004, 94, 203-209.	9.6	141
20	Arsenic: An Overview of Applications, Health, and Environmental Concerns and Removal Processes. Critical Reviews in Environmental Science and Technology, 2011, 41, 435-519.	12.8	141
21	Groundwater quality in some villages of Haryana, India: focus on fluoride and fluorosis. Journal of Hazardous Materials, 2004, 106, 85-97.	12.4	136
22	Cadmium(II) sorption and desorption in a fixed bed column using sunflower waste carbon calciumâ€“alginate beads. Bioresource Technology, 2013, 129, 242-248.	9.6	133
23	Feasibility of nutrient recovery from industrial sludge by vermicomposting technology. Journal of Hazardous Materials, 2009, 168, 262-268.	12.4	125
24	Investigation of Cr(VI) adsorption onto chemically treated Helianthus annuus: Optimization using Response Surface Methodology. Bioresource Technology, 2011, 102, 600-605.	9.6	121
25	Vermiremediation and nutrient recovery of non-recyclable paper waste employing Eisenia fetida. Journal of Hazardous Materials, 2009, 162, 430-439.	12.4	120
26	Green fabrication of ZnO nanoparticles using Eucalyptus spp. leaves extract and their application in wastewater remediation. Chemosphere, 2020, 247, 125803.	8.2	101
27	Comparative assessment of heavy metals content during the composting and vermicomposting of Municipal Solid Waste employing Eudrilus eugeniae. Waste Management, 2015, 39, 130-145.	7.4	96
28	Spectroscopic, thermogravimetric and structural characterization analyses for comparing Municipal Solid Waste composts and vermicomposts stability and maturity. Bioresource Technology, 2017, 236, 11-19.	9.6	94
29	Optimization of cow dung spiked pre-consumer processing vegetable waste for vermicomposting using Eisenia fetida. Ecotoxicology and Environmental Safety, 2011, 74, 19-24.	6.0	93
30	Applications of Fe3O4@AC nanoparticles for dye removal from simulated wastewater. Chemosphere, 2019, 236, 124280.	8.2	87
31	Application of EDTA modified Fe3O4/sawdust carbon nanocomposites to ameliorate methylene blue and brilliant green dye laden water. Environmental Research, 2019, 172, 43-54.	7.5	86
32	Development of a water hyacinth based vermireactor using an epigeic earthworm Eisenia foetida. Bioresource Technology, 2007, 98, 2605-2610.	9.6	85
33	Biotransformation of bakery industry sludge into valuable product using vermicomposting. Bioresource Technology, 2019, 274, 512-517.	9.6	85
34	Sequestration of nickel from aqueous solution onto activated carbon prepared from Parthenium hysterophorus L.. Journal of Hazardous Materials, 2008, 157, 503-509.	12.4	84
35	Heavy Metals Bioconcentration from Soil to Vegetables and Assessment of Health Risk Caused by Their Ingestion. Biological Trace Element Research, 2014, 157, 256-265.	3.5	84
36	Industrial wastes and sludges management by vermicomposting. Reviews in Environmental Science and Biotechnology, 2011, 10, 243-276.	8.1	82

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37	Management of food industry waste employing vermicomposting technology. Bioresource Technology, 2012, 126, 437-443.	9.6	81
38	Vermiconversion of wastewater sludge from textile mill mixed with anaerobically digested biogas plant slurry employing Eisenia foetida. Ecotoxicology and Environmental Safety, 2006, 65, 412-419.	6.0	78
39	Adsorption of heavy metals from multi-metal aqueous solution by sunflower plant biomass-based carbons. International Journal of Environmental Science and Technology, 2016, 13, 493-500.	3.5	76
40	Preparation, characterization and potential use of flower shaped Zinc oxide nanoparticles (ZON) for the adsorption of Victoria Blue B dye from aqueous solution. Advanced Powder Technology, 2016, 27, 1180-1188.	4.1	74
41	Vermicomposting â€“ An effective tool for the management of invasive weed Parthenium hysterophorus. Bioresource Technology, 2011, 102, 5891-5895.	9.6	73
42	Fluoride in drinking water and human urine in Southern Haryana, India. Journal of Hazardous Materials, 2007, 144, 147-151.	12.4	72
43	Inactivation of bacterial pathogenic load in compost against vermicompost of organic solid waste aiming to achieve sanitation goals: A review. Waste Management, 2017, 64, 51-62.	7.4	72
44	Effect of textile effluents on growth performance of wheat cultivars. Bioresource Technology, 2005, 96, 1189-1193.	9.6	71
45	Livestock excreta management through vermicomposting using an epigeic earthworm Eisenia foetida. The Environmentalist, 2006, 26, 269-276.	0.7	69
46	Cadmium(II) Uptake from Aqueous Solution by Adsorption onto Carbon Aerogel Using a Response Surface Methodological Approach. Industrial & Engineering Chemistry Research, 2006, 45, 6531-6537.	3.7	65
47	Investigation of adsorption of lead, mercury and nickel from aqueous solutions onto carbon aerogel. Journal of Chemical Technology and Biotechnology, 2005, 80, 469-476.	3.2	62
48	Management of food and vegetable processing waste spiked with buffalo waste using earthworms (Eisenia fetida). Environmental Science and Pollution Research, 2017, 24, 7829-7836.	5.3	60
49	Removal of a dye from simulated wastewater by adsorption using treated parthenium biomass. Journal of Hazardous Materials, 2008, 153, 213-220.	12.4	56
50	Feasibility of utilization of horse dung spiked filter cake in vermicomposters using exotic earthworm Eisenia foetida. Bioresource Technology, 2008, 99, 2442-2448.	9.6	51
51	Vermiconversion of industrial sludge for recycling the nutrients. Bioresource Technology, 2008, 99, 8699-8704.	9.6	51
52	Detection and remediation of pollutants to maintain ecosustainability employing nanotechnology: A review. Chemosphere, 2021, 280, 130792.	8.2	50
53	Equilibrium and kinetic studies for sequestration of Cr(VI) from simulated wastewater using sunflower waste biomass. Journal of Hazardous Materials, 2009, 171, 328-334.	12.4	48
54	Estimation of heavy metals in commonly used medicinal plants: a market basket survey. Environmental Monitoring and Assessment, 2010, 170, 657-660.	2.7	47

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55	Growth and yield response of marigold to potting media containing vermicompost produced from different wastes. The Environmentalist, 2010, 30, 123-130.	0.7	47
56	Vermicomposting of sugar industry waste (press mud) mixed with cow dung employing an epigeic earthworm Eisenia fetida. Waste Management and Research, 2010, 28, 71-75.	3.9	46
57	Uranium in groundwater from Western Haryana, India. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 427-433.	1.5	43
58	Dynamics of microbiological parameters, enzymatic activities and worm biomass production during vermicomposting of effluent treatment plant sludge of bakery industry. Environmental Science and Pollution Research, 2015, 22, 14702-14709.	5.3	41
59	Recovery of nutrient from Municipal Solid Waste by composting and vermicomposting using earthworm Eudrilus eugeniae. Journal of Environmental Chemical Engineering, 2015, 3, 2931-2942.	6.7	40
60	Bioaccumulation and health risks of heavy metals associated with consumption of rice grains from croplands in Northern India. Human and Ecological Risk Assessment (HERA), 2017, 23, 14-27.	3.4	39
61	Chromium Removal from Aqueous System and Industrial Wastewater by Agricultural Wastes. Bioremediation Journal, 2013, 17, 30-39.	2.0	38
62	Green synthesis, activation and functionalization of adsorbents for dye sequestration. Environmental Chemistry Letters, 2019, 17, 157-193.	16.2	38
63	Management of banana crop waste biomass using vermicomposting technology. Bioresource Technology, 2021, 326, 124742.	9.6	38
64	Recycling of lignocellulosic waste as vermicompost using earthworm Eisenia fetida. Environmental Science and Pollution Research, 2019, 26, 14024-14035.	5.3	37
65	Influence of urban sewage sludge amendment on agricultural soil parameters. Environmental Technology and Innovation, 2021, 23, 101642.	6.1	35
66	Influence of vermicompost application in potting media on growth and flowering of marigold crop. International Journal of Recycling of Organic Waste in Agriculture, 2014, 3, 1.	2.0	33
67	Pb2+ and Cd2+ recovery from water using residual tea waste and SiO2@TW nanocomposites. Chemosphere, 2020, 257, 127277.	8.2	32
68	Vermiconversion of biogas plant slurry and parthenium weed mixture to manure. International Journal of Recycling of Organic Waste in Agriculture, 2016, 5, 301-309.	2.0	31
69	Experimental process monitoring and potential of Eudrilus eugeniae in the vermicomposting of organic solid waste in Mauritius. Ecological Engineering, 2015, 84, 149-158.	3.6	27
70	Adsorption, degradation, and mineralization of emerging pollutants (pharmaceuticals and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td Research, 2020, 27, 34862-34905.	5.3	27
71	Multifunctional nanohybrid for simultaneous detection and removal of Arsenic(III) from aqueous solutions. Chemosphere, 2022, 289, 133101.	8.2	26
72	Quantification of minerals and trace elements in raw caprine milk using flame atomic absorption spectrophotometry and flame photometry. Journal of Food Science and Technology, 2015, 52, 5299-5304.	2.8	24

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73	Use of fuzzy synthetic evaluation for assessment of groundwater quality for drinking usage: a case study of Southern Haryana, India. Environmental Geology, 2008, 54, 249-255.	1.2	22
74	Sustainable treatment and nutrient recovery from leafy waste through vermicomposting. Bioresource Technology, 2022, 347, 126390.	9.6	22
75	Effect of Temperature Variations on Vermicomposting of Household Solid Waste and Fecundity ofEisenia fetida. Bioremediation Journal, 2011, 15, 165-172.	2.0	21
76	Heavy Metals: Toxicity and Removal by Biosorption. Environmental Chemistry for A Sustainable World, 2012, , 379-442.	0.5	21
77	A comparative analysis of composts and vermicomposts derived from municipal solid waste for the growth and yield of green bean (Phaseolus vulgaris). Environmental Science and Pollution Research, 2017, 24, 11228-11239.	5.3	21
78	Toxicity and detoxification of monocrotophos from ecosystem using different approaches: A review. Chemosphere, 2021, 275, 130051.	8.2	21
79	A novel CaO nanocomposite cross linked graphene oxide for Cr(VI) removal and sensing from wastewater. Chemosphere, 2022, 301, 134714.	8.2	21
80	Effect of stocking density and food quality on the growth and fecundity of an epigeic earthworm (Eisenia fetida) during vermicomposting. The Environmentalist, 2008, 28, 483-488.	0.7	20
81	Removal of Ni(II) from aqueous system by chemically modified sunflower biomass. Desalination and Water Treatment, 2014, 52, 5681-5695.	1.0	20
82	Transfer Factors and Effective Dose Evaluation Due to Natural Radioactivity in Staple Food Grains from the Vicinity of Proposed Nuclear Power Plant. Exposure and Health, 2018, 10, 27-39.	4.9	20
83	Vermi-modification of ruminant excreta using Eisenia fetida. Environmental Science and Pollution Research, 2017, 24, 19938-19945.	5.3	19
84	Assessment of uranium concentration in the drinking water and associated health risks in Eastern Haryana, India. Human and Ecological Risk Assessment (HERA), 2018, 24, 1115-1126.	3.4	19
85	COVID-19 pandemic: An outlook on its impact on air quality and its association with environmental variables in major cities of Punjab and Chandigarh, India. Environmental Forensics, 2021, 22, 143-154.	2.6	19
86	Influence of stocking density on the vermicomposting of an effluent treatment plant sludge amended with cow dung. Environmental Science and Pollution Research, 2016, 23, 13317-13326.	5.3	17
87	Heavy metal content in various types of candies and their daily dietary intake by children. Environmental Monitoring and Assessment, 2016, 188, 86.	2.7	17
88	Is the transmission of novel coronavirus disease (COVID-19) weather dependent?. Journal of the Air and Waste Management Association, 2020, 70, 1061-1064.	1.9	17
89	Influence of short-term irrigation of textile mill wastewater on the growth of chickpea cultivars. Chemistry and Ecology, 2006, 22, 193-200.	1.6	16
90	Preparation and characterization of biosorbents and copper sequestration from simulated wastewater. International Journal of Environmental Science and Technology, 2014, 11, 1399-1412.	3.5	16

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91	Influence of vermi-fortification on chickpea (Cicer arietinum L.) growth and photosynthetic pigments. International Journal of Recycling of Organic Waste in Agriculture, 2015, 4, 299-305.	2.0	16
92	Sequestration of heavy metal ions from multi-metal simulated wastewater systems using processed agricultural biomass. Chemosphere, 2022, 296, 133966.	8.2	16
93	Vermicomposting: A Green Technology for Organic Waste Management. Energy, Environment, and Sustainability, 2018, , 199-235.	1.0	13
94	Natural Radioactivity in Soil, Associated Radiation Exposure and Cancer Risk to Population of Eastern Haryana, India. Journal of the Geological Society of India, 2019, 94, 525-532.	1.1	13
95	Optimization of cadmium(II) removal from water using sunflower waste carbon â€“ a statistical approach. Toxin Reviews, 2021, 40, 1373-1382.	3.4	13
96	Utilization of biosynthesized silica-supported iron oxide nanocomposites for the adsorptive removal of heavy metal ions from aqueous solutions. Environmental Science and Pollution Research, 2023, 30, 81319-81332.	5.3	11
97	REMOVAL OF BASIC DYE FROM AQUEOUS SOLUTION USING CHEMICALLY MODIFIEDPARTHENIUM HYSTEROPHORUSLINN. BIOMASS. Chemical Engineering Communications, 2008, 195, 1185-1199.	2.6	10
98	Estimation of Mineral and Trace Element Profile in Bubaline Milk Affected with Subclinical Mastitis. Biological Trace Element Research, 2017, 176, 305-310.	3.5	10
99	COVID-19 lockdown: a rare opportunity to establish baseline pollution level of air pollutants in a megacity, India. International Journal of Environmental Science and Technology, 2021, 18, 1269-1286.	3.5	10
100	Swiss blue dye sequestration by adsorption using Acacia nilotica sawdust. International Journal of Environmental Technology and Management, 2011, 14, 220.	0.2	8
101	Impact of Environmental Indicators on the COVID-19 Pandemic in Delhi, India. Pathogens, 2021, 10, 1003.	2.8	8
102	A Pilot Scale Evaluation for Adsorptive Removal of Lead (II) Using Treated Granular Activated Carbon. Environmental Technology (United Kingdom), 2005, 26, 489-500.	2.2	6
103	Transfer factor of 137Cs from soil to wheat grains and dosimetry around Narora Atomic Power Station, Narora, India. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 901-909.	1.5	6
104	Spatial distribution of heavy metals in rice grains, rice husk, and arable soil, their bioaccumulation and associated health risks in Haryana, India. Toxin Reviews, 2021, 40, 859-871.	3.4	6
105	SPATIAL MAPPING OF URANIUM IN GROUNDWATER AND RISK ASSESSMENT AROUND AN ATOMIC POWER STATION IN INDIA. Environmental Engineering and Management Journal, 2016, 15, 783-790.	0.6	4
106	SEQUESTRATION OF COPPER (II) FROM SIMULATED WASTEWATER USING PRE-TREATED RICE HUSK WASTE BIOMASS. Environmental Engineering and Management Journal, 2016, 15, 1689-1703.	0.6	3
107	A comprehensive physico-chemical quality and heavy metal health risk assessment study for phreatic water sources in Narora Atomic Power Station region, Narora, India. Environmental Monitoring and Assessment, 2022, 194, 69.	2.7	3
108	RESISTANCE AGAINST ISOPROTURON IN DIFFERENT BIOTYPES OF LITTLESEED CANARY GRASS. Annals of Applied Biology, 1996, 128, 34-35.	2.5	1

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109	Optimization of Swiss blue dye removal by cotton boll activated carbon: response surface methodological approach. Toxin Reviews, 0, , 1-16.	3.4	1
110	Biodegradation of monocrotophos by indigenous soil bacterial isolates in the presence of humic acid, Fe (III) and Cu (II) ions. Bioresource Technology Reports, 2021, 15, 100778.	2.7	1
111	Authors response to Dr. Rathoreâ€™s comments on Singh B, Garg VK, Yadav P, Kishore N, Pulhani V (2014) uranium in groundwater from western Haryana, India. J Radioanal Nucl Chem 301: 427â€“433. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 747-749.	1.5	0
112	Soil to rice grain transfer factor and radiological dose of 137Cs and 90Sr around Narora Atomic Power Station (NAPS), Narora, India. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 1275-1283.	1.5	0
113	Assessment of Arsenic in Groundwater of Southwestern Haryana, India and Chemical Body Burden Caused by its Ingestion. Journal of the Geological Society of India, 2020, 96, 521-525.	1.1	0