

# Rakesh Kumar Singhal

## List of Publications by Year in descending order

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Version: 2024-02-01

118  
papers

3,962  
citations

117453

34  
h-index

149479

56  
g-index

118  
all docs

118  
docs citations

118  
times ranked

4401  
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step hydrothermal approach to fabricate carbon dots from apple juice for imaging of mycobacterium and fungal cells. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 434-443.	4.0	394
2	Preparation of multicolor emitting carbon dots for HeLa cell imaging. <i>New Journal of Chemistry</i> , 2014, 38, 6152-6160.	1.4	215
3	Analytical chemistry of metallic nanoparticles in natural environments. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 528-540.	5.8	152
4	Recent progress on surface chemistry of plasmonic metal nanoparticles for colorimetric assay of drugs in pharmaceutical and biological samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 106-120.	5.8	152
5	One-step synthesis of fluorescent carbon dots for imaging bacterial and fungal cells. <i>Analytical Methods</i> , 2015, 7, 2373-2378.	1.3	113
6	One-step green synthetic approach for the preparation of multicolor emitting copper nanoclusters and their applications in chemical species sensing and bioimaging. <i>Biosensors and Bioelectronics</i> , 2016, 80, 243-248.	5.3	101
7	Recognition of carbendazim fungicide in environmental samples by using 4-aminobenzenethiol functionalized silver nanoparticles as a colorimetric sensor. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 684-691.	4.0	87
8	Facile green synthesis of carbon dots from <i>Pyrus pyrifolia</i> fruit for assaying of Al <sup>3+</sup> ion via chelation enhanced fluorescence mechanism. <i>Journal of Molecular Liquids</i> , 2018, 264, 9-16.	2.3	76
9	Microwave assisted synthesis of tyrosine protected gold nanoparticles for dual (colorimetric and) Tj ETQq1 1 0.784314 rgBT /Overloc <i>Bioelectronics</i> , 2017, 88, 71-77.	5.3	75
10	Ultra-small two dimensional MXene nanosheets for selective and sensitive fluorescence detection of Ag <sup>+</sup> and Mn <sup>2+</sup> ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 565, 70-77.	2.3	75
11	Influence of molecular assembly and NaCl concentration on gold nanoparticles for colorimetric detection of cysteine and glutathione. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 526-535.	4.0	65
12	Acid Oxidation of Muskmelon Fruit for the Fabrication of Carbon Dots with Specific Emission Colors for Recognition of Hg <sup>2+</sup> Ions and Cell Imaging. <i>ACS Omega</i> , 2019, 4, 19332-19340.	1.6	64
13	Simple and sensitive colorimetric sensing of Cd <sup>2+</sup> ion using chitosan dithiocarbamate functionalized gold nanoparticles as a probe. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 850-858.	4.0	63
14	Recent developments on fluorescent hybrid nanomaterials for metal ions sensing and bioimaging applications: A review. <i>Journal of Molecular Liquids</i> , 2021, 333, 115950.	2.3	60
15	Amylase protected gold nanoclusters as chemo- and bio- sensor for nanomolar detection of deltamethrin and glutathione. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 812-820.	4.0	55
16	Synthesis of new benzothiazole Schiff base as selective and sensitive colorimetric sensor for arsenic on-site detection at ppb level. <i>Analytical Methods</i> , 2017, 9, 1779-1785.	1.3	52
17	Trace metal distribution, assessment and enrichment in the surface sediments of Sundarban mangrove ecosystem in India and Bangladesh. <i>Marine Pollution Bulletin</i> , 2018, 127, 541-547.	2.3	52
18	Microwave-assisted synthesis of water-soluble Eu <sup>3+</sup> hybrid carbon dots with enhanced fluorescence for the sensing of Hg <sup>2+</sup> ions and imaging of fungal cells. <i>New Journal of Chemistry</i> , 2018, 42, 6125-6133.	1.4	51

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19	One-step eco-friendly approach for the fabrication of synergistically engineered fluorescent copper nanoclusters: sensing of Hg <sup>2+</sup> ion and cellular uptake and bioimaging properties. <i>New Journal of Chemistry</i> , 2018, 42, 1510-1520.	1.4	50
20	Synthesis and Characterization of Alumina Impregnated Alginate Beads for Fluoride Removal from Potable Water. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	46
21	Metabolic and biochemical changes caused by gamma irradiation in plants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 300, 199-212.	0.7	46
22	New Chitosan-Thiomer: An Efficient Colorimetric Sensor and Effective Sorbent for Mercury at Ultralow Concentration. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 26069-26078.	4.0	45
23	Effect of ZnO Nanoparticles on Growth and Biochemical Responses of Wheat and Maize. <i>Plants</i> , 2021, 10, 2556.	1.6	45
24	An overview of molecular biology and nanotechnology based analytical methods for the detection of SARS-CoV-2: promising biotools for the rapid diagnosis of COVID-19. <i>Analyst</i> , 2021, 146, 1489-1513.	1.7	42
25	Arsenic Removal from Groundwater by Goethite Impregnated Calcium Alginate Beads. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	41
26	Development of p-nitroaniline dithiocarbamate capped gold nanoparticles-based microvolume UV-vis spectrometric method for facile and selective detection of quinalphos insecticide in environmental samples. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 826-835.	4.0	41
27	One-pot synthesis of silver nanoparticles using folic acid as a reagent for colorimetric and fluorimetric detections of 6-mercaptopurine at nanomolar concentration. <i>Sensors and Actuators B: Chemical</i> , 2017, 249, 30-38.	4.0	41
28	Graphene oxide encapsulated in alginate beads for enhanced sorption of uranium from different aquatic environments. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1625-1633.	3.3	41
29	One pot synthesis of fluorescent gold nanoclusters from Curcuma longa extract for independent detection of Cd <sup>2+</sup> , Zn <sup>2+</sup> and Cu <sup>2+</sup> ions with high sensitivity. <i>Journal of Molecular Liquids</i> , 2020, 304, 112697.	2.3	41
30	Assessment of non-steroidal anti-inflammatory drugs from selected wastewater treatment plants of Southwestern India. <i>Emerging Contaminants</i> , 2021, 7, 43-51.	2.2	41
31	Mg <sup>2+</sup> ion as a tuner for colorimetric sensing of glyphosate with improved sensitivity via the aggregation of 2-mercapto-5-nitrobenzimidazole capped silver nanoparticles. <i>RSC Advances</i> , 2016, 6, 47741-47752.	1.7	40
32	Tuning of gold nanoclusters sensing applications with bovine serum albumin and bromelain for detection of Hg <sup>2+</sup> ion and lambda-cyhalothrin via fluorescence turn-off and on mechanisms. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2781-2791.	1.9	40
33	Influence of doping ion, capping agent and pH on the fluorescence properties of zinc sulfide quantum dots: Sensing of Cu <sup>2+</sup> and Hg <sup>2+</sup> ions and their biocompatibility with cancer and fungal cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 210, 212-221.	2.0	38
34	Ligand chemistry of gold, silver and copper nanoparticles for visual read-out assay of pesticides: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 153, 116607.	5.8	36
35	Synthesis of Water Dispersible Fluorescent Carbon Nanocrystals from Syzygium cumini Fruits for the Detection of Fe <sup>3+</sup> Ion in Water and Biological Samples and Imaging of Fusarium avenaceum Cells. <i>Journal of Fluorescence</i> , 2017, 27, 125-134.	1.3	35
36	A greener approach for impressive removal of As( <sup>iii</sup> )/As( <sup>v</sup> ) from an ultra-low concentration using a highly efficient chitosan thiomer as a new adsorbent. <i>RSC Advances</i> , 2016, 6, 64946-64961.	1.7	34

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37	Humic acid coated cellulose derived from rice husk: A novel biosorbent for the removal of Ni and Cr. <i>Journal of Water Process Engineering</i> , 2019, 32, 100892.	2.6	34
38	Investigation of silicon doping into carbon dots for improved fluorescence properties for selective detection of Fe <sup>3+</sup> ion. <i>Optical Materials</i> , 2019, 96, 109374.	1.7	34
39	Seasonal occurrence and risk assessment of pharmaceutical and personal care products in Bengaluru rivers and lakes, India. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105610.	3.3	34
40	Fluorescence enhancement of bovine serum albumin gold nanoclusters from La <sup>3+</sup> ion: Detection of four divalent metal ions (Hg <sup>2+</sup> , Cu <sup>2+</sup> , Pb <sup>2+</sup> and Cd <sup>2+</sup> ). <i>Journal of Molecular Liquids</i> , 2021, 336, 116239.	2.3	33
41	Graphene oxide-MnO <sub>2</sub> -goethite microsphere impregnated alginate: A novel hybrid nanosorbent for As (III) and As (V) removal from groundwater. <i>Journal of Water Process Engineering</i> , 2021, 42, 102129.	2.6	32
42	The use of ultra filtration in trace metal speciation studies in sea water. <i>Environment International</i> , 2006, 32, 224-228.	4.8	31
43	Effect of gamma radiation on wheat plant growth due to impact on gas exchange characteristics and mineral nutrient uptake and utilization. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 298, 249-257.	0.7	31
44	Synthesis and characterization of silica microsphere and their application in removal of uranium and thorium from water. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 1899-1906.	1.8	31
45	Graphene-prussian blue nanocomposite impregnated in alginate for efficient removal of cesium from aquatic environment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4399-4407.	3.3	31
46	Progress on boron nitride nanostructure materials: properties, synthesis and applications in hydrogen storage and analytical chemistry. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 1-41.	5.3	31
47	Impact of Tropical Ecosystem on the Migrational Behavior of K-40, Cs-137, Th-232 U-238 in Perennial Plants. <i>Water, Air, and Soil Pollution</i> , 2008, 192, 293-302.	1.1	30
48	Vertical distribution, composition profiles, sources and toxicity assessment of PAH residues in the reclaimed mudflat sediments from the adjacent Thane Creek of Mumbai. <i>Marine Pollution Bulletin</i> , 2017, 118, 112-124.	2.3	30
49	Histological alterations in the hepatic tissues of Al <sub>2</sub> O <sub>3</sub> nanoparticles exposed freshwater fish <i>Oreochromis mossambicus</i> . <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 44, 125-131.	1.5	30
50	Spectroscopic determination of U(VI) species sorbed by the Chlorella ( <i>Chlorella pyrenoidosa</i> ) fresh water algae. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 298, 587-592.	0.7	29
51	Colorimetric and fluorescence "turn-on" methods for the sensitive detection of bromelain using carbon dots functionalized gold nanoparticles as a dual probe. <i>RSC Advances</i> , 2016, 6, 32025-32036.	1.7	29
52	Nano-hydroxyapatite coated activated carbon impregnated alginate: A new hybrid sorbent for uranium removal from potable water. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103999.	3.3	29
53	Reduction of uranium concentration in well water by Chlorella ( <i>Chlorella pyrenoidosa</i> ) a fresh water algae immobilized in calcium alginate. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004, 261, 73-78.	0.7	28
54	Chicken egg white and L-cysteine as cooperative ligands for effective encapsulation of Zn-doped silver nanoclusters for sensing and imaging applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 559, 35-42.	2.3	27

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55	Adsorption and kinetic behavior of uranium and thorium in seawater-sediment system. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 649-656.	0.7	26
56	Chemical characterization of sub-micron particles in indoor and outdoor air at two different microenvironments in the western part of India. SN Applied Sciences, 2019, 1, 1.	1.5	26
57	Chitosan-thiomer stabilized silver nano-composites for antimicrobial and antioxidant applications. RSC Advances, 2016, 6, 75453-75464.	1.7	25
58	Simultaneous colorimetric detection of four drugs in their pharmaceutical formulations using unmodified gold nanoparticles as a probe. RSC Advances, 2015, 5, 19924-19932.	1.7	24
59	Ammonium molybdate phosphate functionalized silicon dioxide impregnated in calcium alginate for highly efficient removal of <sup>137</sup> Cs from aquatic bodies. RSC Advances, 2016, 6, 95620-95627.	1.7	24
60	Highly efficient removal of TiO <sub>2</sub> nanoparticles from aquatic bodies by silica microsphere impregnated Ca-alginate. New Journal of Chemistry, 2016, 40, 3177-3186.	1.4	24
61	A molecular assembly of piperidine carboxylic acid dithiocarbamate on gold nanoparticles for the selective and sensitive detection of Al <sup>3+</sup> ion in water samples. RSC Advances, 2015, 5, 33468-33477.	1.7	23
62	A green and highly efficient sulfur functionalization of starch. RSC Advances, 2015, 5, 51762-51772.	1.7	23
63	TiO <sub>2</sub> microsphere impregnated alginate: a novel hybrid sorbent for uranium removal from aquatic bodies. New Journal of Chemistry, 2020, 44, 3950-3960.	1.4	23
64	Dithiocarbamate-calix[4]arene functionalized gold nanoparticles as a selective and sensitive colorimetric probe for assay of metsulfuron-methyl herbicide via non-covalent interactions. Sensors and Actuators B: Chemical, 2016, 237, 1044-1055.	4.0	22
65	Novel hybrid material humic acid impregnated magnetic chitosan nano particles for decontamination of uranium from aquatic environment. Journal of Environmental Chemical Engineering, 2019, 7, 103110.	3.3	21
66	Simple hydrothermal approach for synthesis of fluorescent molybdenum disulfide quantum dots: Sensing of Cr <sup>3+</sup> ion and cellular imaging. Materials Science and Engineering C, 2020, 111, 110778.	3.8	21
67	Development of naturally occurring siliceous material for the preferential removal of thorium from U <sup>235</sup> Th from aquatic environment. Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 231-237.	0.7	20
68	Evaluation of doses from ionising radiation to non-human species at Trombay, Mumbai, India. Radiation Protection Dosimetry, 2009, 133, 214-222.	0.4	19
69	Removal of low level americium-241 from potable water originated from different geochemical environments by calcium alginate. Desalination, 2011, 280, 313-318.	4.0	19
70	Fabrication of Economical Thiol-Tethered Bifunctional Iron Composite as Potential Commercial Applicant for Arsenic Sorption Application. Industrial & Engineering Chemistry Research, 2018, 57, 12959-12972.	1.8	19
71	Present status of hybrid materials for potable water decontamination: a review. Environmental Science: Water Research and Technology, 2020, 6, 3214-3248.	1.2	19
72	Thiol functionalised silica microsphere loaded polymeric hydrogel: Development of a novel hybrid sorbent for removal of lead and cadmium. Chemosphere, 2022, 286, 131659.	4.2	19

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73	Evaluation of selected pharmaceuticals and personal care products in water matrix using ion trap mass spectrometry: A simple weighted calibration curve approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 185, 113214.	1.4	17
74	Determination of Ultra Trace Level of Uranium in Ground Water of Different Geo-Chemical Environment by Adsorptive Stripping Voltammetry. <i>Water, Air, and Soil Pollution</i> , 2007, 184, 17-27.	1.1	16
75	Chitosan impregnated Ca-alginate: a new hybrid material for removal of uranium from potable water. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 1905-1914.	0.7	16
76	Comparative determination of uranium in rock phosphates and columbite by ICP-OES, alpha & gamma spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 149-156.	0.7	15
77	Histological variations in liver of freshwater fish <i>Oreochromis mossambicus</i> exposed to <sup>60</sup> Co gamma irradiation. <i>Journal of Environmental Radioactivity</i> , 2012, 113, 57-62.	0.9	15
78	Spatial distribution and accumulation of <sup>226</sup> Ra, <sup>228</sup> Ra, <sup>40</sup> K and <sup>137</sup> Cs in bottom sediments of Mumbai Harbour Bay. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 835-839.	0.7	15
79	Tracking the history of dinoflagellate cyst assemblages in sediments from the west coast of India. <i>Journal of Sea Research</i> , 2012, 73, 86-100.	0.6	14
80	Selective separation of iron from uranium in quantitative determination of traces of uranium by alpha spectrometry in soil/sediment sample. <i>Applied Radiation and Isotopes</i> , 2009, 67, 501-505.	0.7	13
81	Thermodynamic parameters of U (VI) sorption onto soils in aquatic systems. <i>SpringerPlus</i> , 2013, 2, 530.	1.2	13
82	Titania coated silica microsphere functionalized with potassium ferrocyanide impregnated in calcium alginate for efficient removal of Cs from aquatic environment. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5187-5195.	3.3	13
83	Effect of accelerators on thoria based nuclear fuels for rapid and quantitative pyrohydrolytic extraction of Fâ <sup>~</sup> and Clâ <sup>~</sup> and their simultaneous determination by ion chromatography. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 293, 743-749.	0.7	12
84	Plutonium-239+240 selectivity for pseudo-colloids of iron in subsurface aquatic environment having elevated level of dissolved organic carbon. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 280, 141-148.	0.7	11
85	Improvement in the determination of traces of uranium in aqueous medium having high dissolved organic carbon and chloride ion by alpha-spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 279, 301-306.	0.7	10
86	<sup>14</sup> CO <sub>2</sub> labeling : a reliable technique for rapid measurement of total root exudation capacity and vascular sap flow in crop plants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 302, 1315-1320.	0.7	10
87	Optimization of the preconcentration of selenium<sc>iv</sc> on palladium nanoparticles (PdNPs), using multivariate analysis for the inorganic speciation of selenium in environmental water samples. <i>Analytical Methods</i> , 2015, 7, 8262-8270.	1.3	10
88	Mitigation of Cr(VI) toxicity using Pd-nanoparticles-immobilized catalytic reactor (Pd-NiCaR) fabricated via plasma and gamma radiation. <i>Environmental Science and Pollution Research</i> , 2018, 25, 16101-16110.	2.7	10
89	A comparative study on dissolution rate of sintered (Thâ€“U)O <sub>2</sub> pellets in nitric acid by microwave and conventional heating. <i>Analytical Methods</i> , 2011, 3, 622.	1.3	9
90	Rapid and interference free determination of ultra trace level of uranium in potable water originating from different geochemical environments by ICP-OES. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 292, 675-681.	0.7	9



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91	Inventory, fluxes and residence times from the depth profiles of naturally occurring <sup>210</sup> Pb in marine sediments of Mumbai Harbor Bay. <i>Environmental Earth Sciences</i> , 2015, 73, 4019-4031.	1.3	9
92	Recovery of gold using graphene oxide/calcium alginate hydrogel beads from a scrap solid state detector. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103134.	3.3	9
93	Perspectives of different colour-emissive nanomaterials in fluorescent ink, LEDs, cell imaging, and sensing of various analytes. <i>Luminescence</i> , 2023, 38, 867-895.	1.5	9
94	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 1998, 101, 163-176.	1.1	8
95	Association of uranium with colloidal and suspended particulate matter in Arabian sea near the west coast of Maharashtra (India). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004, 261, 263-267.	0.7	8
96	Effects of <sup>60</sup> Co gamma irradiation on behavior and gill histoarchitecture of giant fresh water prawn <i>Macrobrachium rosenbergii</i> (DE MAN). <i>Ecotoxicology and Environmental Safety</i> , 2013, 92, 155-160.	2.9	8
97	Removal of environmental level of <sup>239+240</sup> Pu and <sup>241</sup> Am from groundwater by using humic coated colloidal suspension of goethite ( $\alpha$ -FeO(OH)). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 1345-1351.	0.7	8
98	Radiosensitivity Studies and Radiostability of Ribulose-1,5 Bis-Carboxylase and Gas Exchange Characteristics in Wheat, Garden Pea, Field Pea, Spinach, and Okra. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	8
99	Modeling of <sup>137</sup> Cs migration in cores of marine sediments of Mumbai Harbor Bay. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 615-626.	0.7	8
100	Very low dose gamma irradiation stimulates gaseous exchange and carboxylation efficiency, but inhibits vascular sap flow in groundnut ( <i>Arachis hypogaea</i> L.). <i>International Journal of Radiation Biology</i> , 2014, 90, 179-186.	1.0	7
101	Low cost and rapid analytical technique for determination of niobium and titanium in zirconium alloy. <i>Analytical Methods</i> , 2010, 2, 1559.	1.3	6
102	Estimation of Deposition Velocities for <sup>85</sup> Sr, <sup>131</sup> I, <sup>137</sup> Cs on Spinach, Radish and Beans Leaves in a Tropical Region Under Simulated Fallout Conditions. <i>Water, Air, and Soil Pollution</i> , 2004, 158, 181-192.	1.1	5
103	A non-parametric statistical analysis in the measurement of outdoor gamma exposure to the residents around Trombay. <i>Radiation Protection Dosimetry</i> , 2007, 124, 378-384.	0.4	5
104	Physical speciation of Pu- <sup>239+240</sup> and Cs-137 in oligotrophic and organic rich ground water of tropical environment. <i>Annals of Nuclear Energy</i> , 2008, 35, 1314-1320.	0.9	5
105	Determination of chronological heavy metal deposition and pollution intensity in the bottom sediments of Mumbai Harbour Bay, India using <sup>137</sup> Cs as tracer. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 292, 863-869.	0.7	5
106	Alginate impregnated ferric hexacyanoferrate(II) for effective decontamination of cesium from aquatic environment. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1827-1835.	0.7	5
107	Improved method for the quantitative determination of ultra trace level of Pu- <sup>239+240</sup> in siliceous base samples using microwave assisted dissolution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 285, 353-358.	0.7	4
108	Association and migration of uranium and thorium with silica colloidal particles in saturated subsurface zone. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 303, 2283.	0.7	4

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109	Sediment accumulation and bio-diffusion mixing rates derived from excess $^{210}\text{Pb}$ and $^{137}\text{Cs}$ profiles in sediment cores of Mumbai Harbor Bay. <i>Journal of Coastal Conservation</i> , 2016, 20, 289-297.	0.7	4
110	Association and migration behavior of trace metals with humus colloidal particles in aquatic subsurface medium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 503-511.	0.7	4
111	Use of ultra-filtration in organic-rich groundwater for the physical separation of thorium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 805-810.	0.7	2
112	Radio-tolerance of finger millet <i>Eleusine coracana</i> (L.) Gaertn cultivars to ionizing radiation. <i>Nucleus (India)</i> , 2016, 59, 41-51.	0.9	2
113	Surface-modified metal nanoparticles for recognition of toxic organic molecules. , 2020, , 415-432.		2
114	Oxidative stress and non-linear threshold (NLT) genotoxic dose responses to ionizing radiation in niger, <i>Guizotia abyssinica</i> (L.f.) Cass. <i>Nucleus (India)</i> , 2014, 57, 175-184.	0.9	1
115	Depth-wise core sediment profile of tissue free and organic bound tritium in dynamic marine environment. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 845-851.	0.7	1
116	Neutron irradiation induced magnetization and persistent defects at high temperatures in graphite. <i>Physical Review B</i> , 2022, 105, .	1.1	1
117	Plasmonic nanoparticles and quantum dots in the identification of inorganic and organic contaminants in food samples. , 2017, , 677-711.		0
118	Innovative Materials for Removal of New Generation Pollutants from Aquatic Environment. <i>Journal of Environmental Analytical Chemistry</i> , 2017, 04, .	0.3	0