## Ravindhranath Kunta

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8856363/publications.pdf

Version: 2024-02-01



#	Article	IF	CITATIONS
1	Removal of fluoride from polluted waters using active carbon derived from barks of Vitex negundo plant. Journal of Analytical Science and Technology, 2015, 6, .	2.1	77
2	Defluoridation studies using active carbon derived from the barks of Ficus racemosa plant. Journal of Fluorine Chemistry, 2017, 193, 58-66.	1.7	72
3	Removal of lead and fluoride from contaminated water using exhausted coffee grounds based bio-sorbent. Journal of Environmental Management, 2018, 218, 602-612.	7.8	63
4	Removal of lead (II) from wastewater using active carbon of Caryota urens seeds and its embedded calcium alginate beads as adsorbents. Journal of Environmental Chemical Engineering, 2018, 6, 4298-4309.	6.7	57
5	Studies on the importance of nature of substituent on the thermodynamic and transport properties of liquid mixtures at various temperatures. Journal of Chemical Thermodynamics, 2016, 101, 92-102.	2.0	47
6	Removal of fluoride from water using H2O2-treated fine red mud doped in Zn-alginate beads as adsorbent. Journal of Environmental Chemical Engineering, 2018, 6, 906-916.	6.7	39
7	Removal of chromium (VI) from water using adsorbent derived from spent coffee grounds. International Journal of Environmental Science and Technology, 2019, 16, 101-112.	3.5	35
8	Enhanced removal of chromium (VI) from wastewater using active carbon derived from Lantana camara plant as adsorbent. Water Science and Technology, 2018, 78, 1377-1389.	2.5	32
9	Removal of Lead from Water Using Calcium Alginate Beads Doped with Hydrazine Sulphate-Activated Red Mud as Adsorbent. Journal of Analytical Methods in Chemistry, 2017, 2017, 1-13.	1.6	31
10	Removal of Hazardous Indigo Carmine Dye from Waste Water Using Treated Red Mud. Materials Today: Proceedings, 2019, 17, 198-208.	1.8	31
11	Novel adsorbents possessing cumulative sorption nature evoked from Al2O3 nanoflakes, C.urens seeds active carbon and calcium alginate beads for defluoridation studies. Journal of the Taiwan Institute of Chemical Engineers, 2019, 101, 50-63.	5.3	28
12	Defluoridation of waters using low-cost HNO <sub align="right">3 activated carbon derived from stems of Senna Occidentalis plant. International Journal of Environmental Technology and Management, 2015, 18, 420.</sub>	0.2	27
13	Extraction of Phosphate from Polluted Waters Using Calcium Alginate Beads Doped with Active Carbon Derived from <i>A. aspera</i> Plant as Adsorbent. Journal of Analytical Methods in Chemistry, 2017, 2017, 1-13.	1.6	25
14	Nickel Based Nano Particles as Adsorbents in Water Purification Methods - A Review. Oriental Journal of Chemistry, 2017, 33, 1603-1613.	0.3	24
15	Synthesis of nanoZrO2 via simple new green routes and its effective application as adsorbent in phosphate remediation of water with or without immobilization in Al-alginate beads. Water Science and Technology, 2020, 81, 2617-2633.	2.5	22
16	New research trends in the processing and applications of iron-based nanoparticles as adsorbents in water remediation methods. Nanotechnology for Environmental Engineering, 2020, 5, 1.	3.3	20
17	Preparation, characterization and feasibility analysis of methyl ester of Sesbania seeds oil (MESSO) as alternate liquid dielectrics in distribution transformers. RSC Advances, 2019, 9, 3311-3319.	3.6	19
18	Sequential synergetic sorption analysis of <i>Gracilaria</i> Rhodophyta biochar toward aluminum and fluoride: A statistical optimization approach. Water Environment Research, 2020, 92, 880-898.	2.7	19

#	Article	IF	CITATIONS
19	Extraction of Fluoride from Polluted Waters Using Low-cost Active Carbon Derived from Stems of Acalypha indica Plant. Asian Journal of Water, Environment and Pollution, 2015, 12, 33-49.	0.5	18
20	Volumetric, acoustic and spectroscopic properties of 3-chloroaniline with substituted ethanols at various temperatures. Journal of Chemical Thermodynamics, 2016, 94, 186-196.	2.0	18
21	Characterization and Defluoridation Studies of Active Carbon Derived from Typha Angustata Plants. Journal of Analytical Science and Technology, 2012, 3, 167-181.	2.1	16
22	Effective removal of methylene blue, a hazardous dye from industrial effluents using active carbon of F.infectoria plant. International Journal of Environmental Science and Technology, 2019, 16, 7837-7848.	3.5	14
23	Effective De-fluoridation of Water Using Leucaena luecocephala Active Carbon as Adsorbent. International Journal of Environmental Research, 2020, 14, 415-426.	2.3	14
24	Zirconium-alginate beads doped with H2SO4-activated carbon derived from leaves of Magnoliaceae plant as an effective adsorbent for the removal of chromate. Biomass Conversion and Biorefinery, 0, , 1.	4.6	13
25	Effective adsorbents based on nano mixed (Al-Fe-Zr) oxide synthesised by new green methods: for the simultaneous extraction of phosphate and chromate from contaminated water. International Journal of Environmental Analytical Chemistry, 2023, 103, 4299-4319.	3.3	11
26	Excess molar volumes, speeds of sound and viscosities for binary mixtures of 3-chloroaniline with selected di- and tri-chloro substituted benzene at various temperatures: Comparison with Prigogine–Flory–Patterson theory. Journal of Molecular Liquids, 2016, 222, 873-882.	4.9	10
27	Studies on the importance of chain length of alkanols on the thermodynamic and transport properties of liquid mixtures at various temperatures. Journal of Chemical Thermodynamics, 2017, 107, 104-113.	2.0	10
28	Adsorption of Nitrite Ions from Wastewater Using Bio-sorbents Derived from Azadirachta indica Plant. Asian Journal of Water, Environment and Pollution, 2017, 14, 71-79.	0.5	10
29	Zirconium-Treated Fine Red Mud Impregnated in Zn-Alginate Beads as Adsorbent in Removal of Phosphate from Water. Asian Journal of Chemistry, 2017, 29, 2549-2558.	0.3	10
30	Molecular interaction between binary mixtures 1-butyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide with N-Vinyl-2-pyrrolidinone at different temperatures. Journal of Chemical Thermodynamics, 2017, 108, 181-192.	2.0	9
31	Effective Activated Carbon as Adsorbent for the Removal of Copper(II) Ions from Wastewater. Asian Journal of Chemistry, 2019, 31, 2233-2239.	0.3	9
32	Sequential adsorptive removal of phosphate, nitrate and chromate from polluted water using active carbon derived from stems of <i>Carissa carandas</i> plant. Water Practice and Technology, 2021, 16, 117-134.	2.0	8
33	Effective removal of Cu2+ ions from polluted water using new bio-adsorbents. Water Practice and Technology, 2021, 16, 566-581.	2.0	8
34	Simultaneous removal of lead and cadmium ions from simulant and industrial waste water: using Calophyllum Inophyllum plant materials as sorbents. International Journal of Phytoremediation, 2021, , 1-15.	3.1	8
35	A sensitive and high throughput method for the analysis of d-psicose by capillary electrophoresis. Food Chemistry, 2019, 281, 36-40.	8.2	7
36	Preparation and Characterization of Nano-Dy <sub>2</sub> O <sub>3</sub> -Doped PVA + Na <sub>3</sub> C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> Polymer Electrolyte Films for Battery Applications. Advances in Materials Science and Engineering, 2018, 2018, 1-9.	1.8	6

#	Article	IF	CITATIONS
37	Deâ€fluoridation of Polluted Water Using Aluminium Alginate Beads Doped with Green Synthesized â€~Nano SiO 2 +Nano CeO 2 â€ZrO 2 ', as an Effective Adsorbent. ChemistrySelect, 2020, 5, 15061-15074.	1.5	6
38	Structural and Electrical Properties of Sodium Citrate Doped Poly(vinyl alcohol) Films for Electrochemical Cell Applications. Asian Journal of Chemistry, 2017, 29, 1049-1055.	0.3	5
39	<i>&gt;p</i> -TSA-catalyzed a simple and efficient one-pot eco-friendly synthesis of functionalized new isoxazolyl-4-hydroxyindole-3-carboxylate derivatives in aqueous medium. Synthetic Communications, 2021, 51, 279-289.	2.1	5
40	PEG-400 promoted a simple, efficient and eco-friendly synthesis of functionalized novel isoxazolyl pyrido[2,3- <i>d</i> ]pyrimidines and their antimicrobial and anti-inflammatory activity. Synthetic Communications, 0, , 1-13.	2.1	5
41	De-fluoridation studies: using Lanthanum-alginate-beads impregnated with green synthesized nSiO2 and active carbon of Terminalia Ivorensis plant as an effective adsorbent. International Journal of Environmental Science and Technology, 2022, 19, 8289-8306.	3.5	5
42	Study of intermolecular interactions in binary mixtures of 3-chloroaniline with isomeric chlorotoluenes at various temperatures. Journal of Molecular Liquids, 2016, 219, 289-298.	4.9	4
43	Nano-Pr <sub>2</sub> O <sub>3</sub> Doped PVA + Na <sub>3</sub> C <sub>6</sub> H <sub>5</sub> O <sub>7</sub> Polymer Electrolyte Films for Electrochemical Cell Applications. International Journal of Polymer Science, 2018, 2018, 1-9.	2.7	4
44	High resolution and high throughput analytical methods for d-tagatose and process related impurities using capillary electrophoresis. Analytical Biochemistry, 2020, 609, 113981.	2.4	4
45	LC–MS/MS method for the quantification of potential genotoxic impurity 4-phenoxyphenyl-boronic acid in ibrutinib. Journal of the Iranian Chemical Society, 2021, 18, 1381-1389.	2.2	4
46	Iron-alginate beads doped with green synthesised †nano-CeO2-ZrO2' as an effective adsorbent for removal of highly toxic Arsenic-ions from polluted water. International Journal of Environmental Analytical Chemistry, 0, , 1-19.	3.3	4
47	Simple effective new bio-adsorbents for the removal of highly toxic nitrite ions from wastewater. Biomass Conversion and Biorefinery, 2023, 13, 9721-9733.	4.6	4
48	Calcium Alginate Beads Doped with Nano-ZrO2 and Activated Carbon of Annona reticulate Plant as an Effective Adsorbent for Water Remediation of Chromium(VI). Asian Journal of Chemistry, 2021, 33, 281-290.	0.3	4
49	Synthesis of two diastereomeric impurities of a fluorinated antiretroviral drug dolutegravir. Journal of Molecular Structure, 2022, 1253, 132274.	3.6	4
50	Adsorptive removal of toxic chromate and phosphate ions from polluted water using green-synthesized nanometal (Mn-Al–Fe) oxide. Biomass Conversion and Biorefinery, 0, , 1.	4.6	4
51	Acetic acid promoted an efficient and eco-friendly one-pot synthesis of functionalized novel isoxazolyl amino chromenopyrrole derivatives in aqueous medium. Synthetic Communications, 2021, 51, 601-610.	2.1	3
52	An efficient HILIC-MS/MS method for the trace level determination of three potential genotoxic impurities in aripiprazole active drug substance. Journal of Analytical Science and Technology, 2021, 12, .	2.1	3
53	An HPLC tool for process monitoring: rare sugar D- psicose and D- fructose contents during the production through an enzymatic path. International Journal of Research in Pharmaceutical Sciences, 2020, 11, 775-780.	0.1	3
54	REMOVAL OF CHROMIUM (VI) FROM WATER USING BIO-ADSORBENTS DERIVED FROM LEAVES OF SalvadorapersicoANDCaesalpiniabonducPLANTS. Rasayan Journal of Chemistry, 0, , .	0.4	3

#	Article	IF	CITATIONS
55	NANO ALUMINUM OXIDES AS ADSORBENTS IN WATER REMEDIATION METHODS: A REVIEW. Rasayan Journal of Chemistry, 0, , .	0.4	3
56	Separation and Determination of d-Allose in Presence of Process-Related Impurities by Capillary Electrophoresis. Food Analytical Methods, 2020, 13, 2269-2278.	2.6	2
57	A Review on Surface Chemistry of Activated Carbons. , 2017, 2, 1-10.		2
58	EXTRACTION OF ALUMINUM (III) IONS FROM WASTE WATER USING AN ADSORBENT PREPARED FROM STEMS OF CASSIA OCCIDENTALIS PLANT. Rasayan Journal of Chemistry, 2019, 12, 338-346.	0.4	2
59	Simple bio-sorbents derived from Mimusops elengi plant for the effective removal of molybdate from industrial wastewater. Biomass Conversion and Biorefinery, 2024, 14, 7939-7958.	4.6	2
60	Stem powder and its active carbon of <i>Arachis hypogaea</i> plant for lead (II) removal: application to treat battery-based industrial effluents. International Journal of Phytoremediation, 2023, 25, 598-608.	3.1	2
61	Removal of Aluminum(III) from Polluted Water Using Active Carbon Derived from Barks of Ficus Racemosa Plant. Asian Journal of Water, Environment and Pollution, 2018, 15, 23-39.	0.5	1
62	Effective Removal of Hexavalent Chromium from Polluted Water using Phoenix sylvestris Seed Powder as Adsorbent. Asian Journal of Chemistry, 2019, 31, 1327-1331.	0.3	1
63	A NEW EFFECTIVE ADSORBENT DERIVED FROM THE BARKS OF Ziziphus mauritiana PLANT FOR THE REMOVAL OF CHROMATE FROM POLLUTED WATER. Rasayan Journal of Chemistry, 2018, 11, 1750-1756.	0.4	1
64	METHYL RED DYE REMOVAL USING NEW BIO-SORBENTS DERIVED FROMÂHYACINTH AND TINOSPORA CORDIFOLIAÂPLANTS FROM WASTE WATERS. Rasayan Journal of Chemistry, 0, , .	0.4	1
65	Adsorptive Removal of Copper Ions from Polluted Water Using Sorbents Derived from Cordia dichotoma, Albizia thompsonii and Polyalthia cerasoides Plants. Asian Journal of Chemistry, 2020, 32, 2653-2659.	0.3	1
66	Effective Adsorbents Based on Biomaterials for Removal of Methylene Blue Dye from Water. Asian Journal of Chemistry, 2019, 31, 617-621.	0.3	0
67	Statistical analysis on the removal of malachite green dye using active carbons of Achyranthes aspera and Allamanda blanchetii plants. Water Practice and Technology, 2019, 14, 808-824.	2.0	0
68	A Simple and Effective Bio-adsorbent Generated from the Stems of Momordica charantia Plant for the Simultaneous Removal of Lead and Cadmium Ions from Wastewater. Asian Journal of Chemistry, 2021, 33, 2633-2640.	0.3	0
69	A Novel LC-MS/MS Method Development and Validation for Ultra-trace Level Determination of Three Genotoxic Efavirenz Impurities. , 2020, 82, .		0
70	Effect of Doping Nano Samarium(III) Oxide in PVA+Na3C6H5O7 Films for Battery Applications. Asian Journal of Chemistry, 2020, 32, 1947-1954.	0.3	0
71	Removal of Lead(II) Ions from Industrial Waste Water using Biomaterials of Terminalia ivorensis Plant and its Composite with Fe-Alginate Beads as Adsorbents. Asian Journal of Chemistry, 2020, 32, 2977-2984.	0.3	0
72	Simultaneous Removal of Copper and Lead Ions from Industrial and Mining Effluents Using Biosorbents Derived from Rhododendron arboreum Plant: Adsorptive Optimization and Mechanism Evaluation. Asian Journal of Chemistry, 2021, 34, 191-200.	0.3	0

#	Article	IF	CITATIONS
73	Simultaneous Removal of Molybdate and Chromate Ions from Industrial Wastewater using Biosorbents Derived from Stems of Murraya koenigii: Thermodynamics, Isothermal and Kinetic Investigations. Asian Journal of Chemistry, 2022, 34, 1391-1400.	0.3	0
74	Synthesis of Three Key Impurities of Drug Dolutegravir: An Inhibitor of HIV-1 Integrase. Polycyclic Aromatic Compounds, 0, , 1-14.	2.6	0
75	Paper chromatographic separation of cobalt (II) and cobalt (III) via their acetylacetonate complexes. Proceedings of the Indian Academy of Sciences - Section A, 1978, 87, 461-463.	0.2	0