

Ravindhranath Kunta

List of Publications by Year in descending order

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75
papers

959
citations

471371

17
h-index

526166

27
g-index

75
all docs

75
docs citations

75
times ranked

658
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of fluoride from polluted waters using active carbon derived from barks of <i>Vitex negundo</i> plant. <i>Journal of Analytical Science and Technology</i> , 2015, 6, .	1.0	77
2	Defluoridation studies using active carbon derived from the barks of <i>Ficus racemosa</i> plant. <i>Journal of Fluorine Chemistry</i> , 2017, 193, 58-66.	0.9	72
3	Removal of lead and fluoride from contaminated water using exhausted coffee grounds based bio-sorbent. <i>Journal of Environmental Management</i> , 2018, 218, 602-612.	3.8	63
4	Removal of lead (II) from wastewater using active carbon of <i>Caryota urens</i> seeds and its embedded calcium alginate beads as adsorbents. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4298-4309.	3.3	57
5	Studies on the importance of nature of substituent on the thermodynamic and transport properties of liquid mixtures at various temperatures. <i>Journal of Chemical Thermodynamics</i> , 2016, 101, 92-102.	1.0	47
6	Removal of fluoride from water using H ₂ O ₂ -treated fine red mud doped in Zn-alginate beads as adsorbent. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 906-916.	3.3	39
7	Removal of chromium (VI) from water using adsorbent derived from spent coffee grounds. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 101-112.	1.8	35
8	Enhanced removal of chromium (VI) from wastewater using active carbon derived from <i>Lantana camara</i> plant as adsorbent. <i>Water Science and Technology</i> , 2018, 78, 1377-1389.	1.2	32
9	Removal of Lead from Water Using Calcium Alginate Beads Doped with Hydrazine Sulphate-Activated Red Mud as Adsorbent. <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-13.	0.7	31
10	Removal of Hazardous Indigo Carmine Dye from Waste Water Using Treated Red Mud. <i>Materials Today: Proceedings</i> , 2019, 17, 198-208.	0.9	31
11	Novel adsorbents possessing cumulative sorption nature evoked from Al ₂ O ₃ nanoflakes, <i>C.urens</i> seeds active carbon and calcium alginate beads for defluoridation studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 101, 50-63.	2.7	28
12	Defluoridation of waters using low-cost HNO ₃ activated carbon derived from stems of <i>Senna Occidentalis</i> plant. <i>International Journal of Environmental Technology and Management</i> , 2015, 18, 420.	0.1	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. <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-13.	0.7	25
14	Nickel Based Nano Particles as Adsorbents in Water Purification Methods - A Review. <i>Oriental Journal of Chemistry</i> , 2017, 33, 1603-1613.	0.1	24
15	Synthesis of nanoZrO ₂ via simple new green routes and its effective application as adsorbent in phosphate remediation of water with or without immobilization in Al-alginate beads. <i>Water Science and Technology</i> , 2020, 81, 2617-2633.	1.2	22
16	New research trends in the processing and applications of iron-based nanoparticles as adsorbents in water remediation methods. <i>Nanotechnology for Environmental Engineering</i> , 2020, 5, 1.	2.0	20
17	Preparation, characterization and feasibility analysis of methyl ester of <i>Sesbania</i> seeds oil (MESSO) as alternate liquid dielectrics in distribution transformers. <i>RSC Advances</i> , 2019, 9, 3311-3319.	1.7	19
18	Sequential synergetic sorption analysis of <i>Gracilaria</i> Rhodophyta biochar toward aluminum and fluoride: A statistical optimization approach. <i>Water Environment Research</i> , 2020, 92, 880-898.	1.3	19

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19	Extraction of Fluoride from Polluted Waters Using Low-cost Active Carbon Derived from Stems of <i>Acalypha indica</i> Plant. <i>Asian Journal of Water, Environment and Pollution</i> , 2015, 12, 33-49.	0.4	18
20	Volumetric, acoustic and spectroscopic properties of 3-chloroaniline with substituted ethanols at various temperatures. <i>Journal of Chemical Thermodynamics</i> , 2016, 94, 186-196.	1.0	18
21	Characterization and Defluoridation Studies of Active Carbon Derived from <i>Typha Angustata</i> Plants. <i>Journal of Analytical Science and Technology</i> , 2012, 3, 167-181.	1.0	16
22	Effective removal of methylene blue, a hazardous dye from industrial effluents using active carbon of <i>F.infectoria</i> plant. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7837-7848.	1.8	14
23	Effective De-fluoridation of Water Using <i>Leucaena luecocephala</i> Active Carbon as Adsorbent. <i>International Journal of Environmental Research</i> , 2020, 14, 415-426.	1.1	14
24	Zirconium-alginate beads doped with H ₂ SO ₄ -activated carbon derived from leaves of Magnoliaceae plant as an effective adsorbent for the removal of chromate. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	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. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 4299-4319.	1.8	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. <i>Journal of Molecular Liquids</i> , 2016, 222, 873-882.	2.3	10
27	Studies on the importance of chain length of alkanols on the thermodynamic and transport properties of liquid mixtures at various temperatures. <i>Journal of Chemical Thermodynamics</i> , 2017, 107, 104-113.	1.0	10
28	Adsorption of Nitrite Ions from Wastewater Using Bio-sorbents Derived from <i>Azadirachta indica</i> Plant. <i>Asian Journal of Water, Environment and Pollution</i> , 2017, 14, 71-79.	0.4	10
29	Zirconium-Treated Fine Red Mud Impregnated in Zn-Alginate Beads as Adsorbent in Removal of Phosphate from Water. <i>Asian Journal of Chemistry</i> , 2017, 29, 2549-2558.	0.1	10
30	Molecular interaction between binary mixtures 1-butyl-3-methyl-imidazolium bis(trifluoromethylsulfonyl)imide with N-Vinyl-2-pyrrolidinone at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2017, 108, 181-192.	1.0	9
31	Effective Activated Carbon as Adsorbent for the Removal of Copper(II) Ions from Wastewater. <i>Asian Journal of Chemistry</i> , 2019, 31, 2233-2239.	0.1	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. <i>Water Practice and Technology</i> , 2021, 16, 117-134.	1.0	8
33	Effective removal of Cu ²⁺ ions from polluted water using new bio-adsorbents. <i>Water Practice and Technology</i> , 2021, 16, 566-581.	1.0	8
34	Simultaneous removal of lead and cadmium ions from simulant and industrial waste water: using <i>Calophyllum Inophyllum</i> plant materials as sorbents. <i>International Journal of Phytoremediation</i> , 2021, , 1-15.	1.7	8
35	A sensitive and high throughput method for the analysis of d-psicose by capillary electrophoresis. <i>Food Chemistry</i> , 2019, 281, 36-40.	4.2	7
36	Preparation and Characterization of Nano-Dy ₂ O ₃ -Doped PVA-â€‰Na ₃ C ₆ H ₅ O ₇ Polymer Electrolyte Films for Battery Applications. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-9.	1.0	6

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37	De-fluoridation of Polluted Water Using Aluminium Alginate Beads Doped with Green Synthesized $\text{TiO}_2/\text{ZrO}_2/\text{CeO}_2$ as an Effective Adsorbent. <i>ChemistrySelect</i> , 2020, 5, 15061-15074.	0.7	6
38	Structural and Electrical Properties of Sodium Citrate Doped Poly(vinyl alcohol) Films for Electrochemical Cell Applications. <i>Asian Journal of Chemistry</i> , 2017, 29, 1049-1055.	0.1	5
39	<i>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. <i>Synthetic Communications</i> , 2021, 51, 279-289.	1.1	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. <i>Synthetic Communications</i> , 0, , 1-13.	1.1	5
41	De-fluoridation studies: using Lanthanum-alginate-beads impregnated with green synthesized nSiO_2 and active carbon of <i>Terminalia ivorensis</i> plant as an effective adsorbent. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 8289-8306.	1.8	5
42	Study of intermolecular interactions in binary mixtures of 3-chloroaniline with isomeric chlorotoluenes at various temperatures. <i>Journal of Molecular Liquids</i> , 2016, 219, 289-298.	2.3	4
43	Nano- Pr_2O_3 Doped PVA + $\text{Na}_3\text{C}_6\text{H}_5\text{O}_7$ Polymer Electrolyte Films for Electrochemical Cell Applications. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-9.	1.2	4
44	High resolution and high throughput analytical methods for d-tagatose and process related impurities using capillary electrophoresis. <i>Analytical Biochemistry</i> , 2020, 609, 113981.	1.1	4
45	LC-MS/MS method for the quantification of potential genotoxic impurity 4-phenoxyphenyl-boronic acid in ibrutinib. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 1381-1389.	1.2	4
46	Iron-alginate beads doped with green synthesised $\text{TiO}_2/\text{CeO}_2/\text{ZrO}_2$ as an effective adsorbent for removal of highly toxic Arsenic-ions from polluted water. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-19.	1.8	4
47	Simple effective new bio-adsorbents for the removal of highly toxic nitrite ions from wastewater. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 9721-9733.	2.9	4
48	Calcium Alginate Beads Doped with Nano- ZrO_2 and Activated Carbon of <i>Annona reticulate</i> Plant as an Effective Adsorbent for Water Remediation of Chromium(VI). <i>Asian Journal of Chemistry</i> , 2021, 33, 281-290.	0.1	4
49	Synthesis of two diastereomeric impurities of a fluorinated antiretroviral drug dolutegravir. <i>Journal of Molecular Structure</i> , 2022, 1253, 132274.	1.8	4
50	Adsorptive removal of toxic chromate and phosphate ions from polluted water using green-synthesized nanometal (Mn-Al-Fe) oxide. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	4
51	Acetic acid promoted an efficient and eco-friendly one-pot synthesis of functionalized novel isoxazolyl amino chromenopyrrole derivatives in aqueous medium. <i>Synthetic Communications</i> , 2021, 51, 601-610.	1.1	3
52	An efficient HILIC-MS/MS method for the trace level determination of three potential genotoxic impurities in aripiprazole active drug substance. <i>Journal of Analytical Science and Technology</i> , 2021, 12, .	1.0	3
53	An HPLC tool for process monitoring: rare sugar D- psicose and D- fructose contents during the production through an enzymatic path. <i>International Journal of Research in Pharmaceutical Sciences</i> , 2020, 11, 775-780.	0.0	3
54	REMOVAL OF CHROMIUM (VI) FROM WATER USING BIO-ADSORBENTS DERIVED FROM LEAVES OF <i>Salvadorapersico</i> AND <i>Caesalpinia bonduc</i> PLANTS. <i>Rasayan Journal of Chemistry</i> , 0, , .	0.2	3

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55	NANO ALUMINUM OXIDES AS ADSORBENTS IN WATER REMEDIATION METHODS: A REVIEW. Rasayan Journal of Chemistry, 0, , .	0.2	3
56	Separation and Determination of d-Allose in Presence of Process-Related Impurities by Capillary Electrophoresis. Food Analytical Methods, 2020, 13, 2269-2278.	1.3	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.	0.2	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.	2.9	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.	1.7	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.	0.4	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.	0.1	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.	0.2	1
64	METHYL RED DYE REMOVAL USING NEW BIO-SORBENTS DERIVED FROM HYACINTH AND TINOSPORA CORDIFOLIA PLANTS FROM WASTE WATERS. Rasayan Journal of Chemistry, 0, , .	0.2	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.	0.1	1
66	Effective Adsorbents Based on Biomaterials for Removal of Methylene Blue Dye from Water. Asian Journal of Chemistry, 2019, 31, 617-621.	0.1	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.	1.0	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.	0.1	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+Na ₃ C ₆ H ₅ O ₇ Films for Battery Applications. Asian Journal of Chemistry, 2020, 32, 1947-1954.	0.1	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.	0.1	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.	0.1	0

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73	Simultaneous Removal of Molybdate and Chromate Ions from Industrial Wastewater using Biosorbents Derived from Stems of <i>Murraya koenigii</i> : Thermodynamics, Isothermal and Kinetic Investigations. <i>Asian Journal of Chemistry</i> , 2022, 34, 1391-1400.	0.1	0
74	Synthesis of Three Key Impurities of Drug Dolutegravir: An Inhibitor of HIV-1 Integrase. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-14.	1.4	0
75	Paper chromatographic separation of cobalt (II) and cobalt (III) via their acetylacetonate complexes. <i>Proceedings of the Indian Academy of Sciences - Section A</i> , 1978, 87, 461-463.	0.2	0