Ravindhranath Kunta

List of Publications by Citations

66 papers	623 citations	15 h-index	22 g-index
75 ext. papers	815 ext. citations	2.2 avg, IF	4.94 L-index

#	Paper	IF	Citations
66	Defluoridation studies using active carbon derived from the barks of Ficus racemosa plant. *Journal of Fluorine Chemistry*, **2017**, 193, 58-66	2.1	55
65	Removal of fluoride from polluted waters using active carbon derived from barks of Vitex negundo plant. *Journal of Analytical Science and Technology*, **2015**, 6,	3.4	48
64	Removal of lead and fluoride from contaminated water using exhausted coffee grounds based bio-sorbent. *Journal of Environmental Management*, **2018**, 218, 602-612	7.9	41
63	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	6.8	39
62	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	6.8	29
61	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	2.9	29
60	Removal of chromium (VI) from water using adsorbent derived from spent coffee grounds. *International Journal of Environmental Science and Technology*, **2019**, 16, 101-112	3.3	26
59	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	2.2	24
58	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	23
57	Defluoridation of waters using low-cost HNO3 activated carbon derived from stems of Senna Occidentalis plant. *International Journal of Environmental Technology and Management*, **2015**, 18, 420	0.6	21
56	Extraction of Phosphate from Polluted Waters Using Calcium Alginate Beads Doped with Active Carbon Derived from Plant as Adsorbent. *Journal of Analytical Methods in Chemistry*, **2017**, 2017, 3610878	2	18
55	Synthesis of nanoZrO 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	2.2	17
54	Nickel Based Nano Particles as Adsorbents in Water Purification Methods - A Review. *Oriental Journal of Chemistry*, **2017**, 33, 1603-1613	0.8	16
53	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, 4650594	2	16
52	Volumetric, acoustic and spectroscopic properties of 3-chloroaniline with substituted ethanols at various temperatures. *Journal of Chemical Thermodynamics*, **2016**, 94, 186-196	2.9	15
51	Characterization and Defluoridation Studies of Active Carbon Derived from Typha Angustata Plants. *Journal of Analytical Science and Technology*, **2012**, 3, 167-181	3.4	15
50	Removal of Hazardous Indigo Carmine Dye from Waste Water Using Treated Red Mud. *Materials Today: Proceedings*, **2019**, 17, 198-208	1.4	14

49	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	0.7	13
48	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	5.1	12
47	Effective De-fluoridation of Water Using Leucaena luecocephala Active Carbon as Adsorbent. *International Journal of Environmental Research*, **2020**, 14, 415-426	2.9	10
46	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	0.4	10
45	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	2.9	9
44	Sequential synergetic sorption analysis of Gracilaria Rhodophyta biochar toward aluminum and fluoride: A statistical optimization approach. *Water Environment Research*, **2020**, 92, 880-898	2.8	9
43	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	2.9	8
42	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	3.7	8
41	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*,1	2.3	8
40	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*,1-21	1.8	7
39	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	6	7
38	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	3.3	7
37	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	0.7	6
36	Effective Activated Carbon as Adsorbent for the Removal of Copper(II) Ions from Wastewater. *Asian Journal of Chemistry*, **2019**, 31, 2233-2239	0.4	6
35	A sensitive and high throughput method for the analysis of d-psicose by capillary electrophoresis. *Food Chemistry*, **2019**, 281, 36-40	8.5	5
34	Structural and Electrical Properties of Sodium Citrate Doped Poly(vinyl alcohol) Films for Electrochemical Cell Applications. *Asian Journal of Chemistry*, **2017**, 29, 1049-1055	0.4	4
33	Nano-Pr2O3 Doped PVA + Na3C6H5O7 Polymer Electrolyte Films for Electrochemical Cell Applications. *International Journal of Polymer Science*, **2018**, 2018, 1-9	2.4	4
32	De-fluoridation of Polluted Water Using Aluminium Alginate Beads Doped with Green Synthesized Nano SiO2+Nano CeO2-ZrO2 as an Effective Adsorbent. *ChemistrySelect*, **2020**, 5, 15061-15074	1.8	4

31	Preparation and Characterization of Nano-Dy2O3-Doped PVA + Na3C6H5O7 Polymer Electrolyte Films for Battery Applications. *Advances in Materials Science and Engineering*, **2018**, 2018, 1-9	1.5	3
30	REMOVAL OF CHROMIUM (VI) FROM WATER USING BIO-ADSORBENTS DERIVED FROM LEAVES OF SalvadorapersicoANDCaesalpiniabonducPLANTS. *Rasayan Journal of Chemistry*,	1.6	3
29	Sequential adsorptive removal of phosphate, nitrate and chromate from polluted water using active carbon derived from stems of Carissa carandas plant. *Water Practice and Technology*, **2021**, 16, 117-134	0.9	3
28	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*,1-19	1.8	3
27	Simultaneous removal of lead and cadmium ions from simulant and industrial waste water: using plant materials as sorbents. *International Journal of Phytoremediation*, **2021**, 1-15	3.9	3
26	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	0.4	3
25	Study of intermolecular interactions in binary mixtures of 3-chloroaniline with isomeric chlorotoluenes at various temperatures. *Journal of Molecular Liquids*, **2016**, 219, 289-298	6	2
24	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	1.9	2
23	High resolution and high throughput analytical methods for d-tagatose and process related impurities using capillary electrophoresis. *Analytical Biochemistry*, **2020**, 609, 113981	3.1	2
22	Effective removal of Cu2+ ions from polluted water using new bio-adsorbents. *Water Practice and Technology*, **2021**, 16, 566-581	0.9	2
21	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*,1	3.3	2
20	Effective Removal of Hexavalent Chromium from Polluted Water using Phoenix sylvestris Seed Powder as Adsorbent. *Asian Journal of Chemistry*, **2019**, 31, 1327-1331	0.4	1
19	Synthesis of two diastereomeric impurities of a fluorinated antiretroviral drug dolutegravir. *Journal of Molecular Structure*, **2022**, 1253, 132274	3.4	1
18	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	0.4	1
17	Separation and Determination of d-Allose in Presence of Process-Related Impurities by Capillary Electrophoresis. *Food Analytical Methods*, **2020**, 13, 2269-2278	3.4	1
16	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,	3.4	1
15	Simple effective new bio-adsorbents for the removal of highly toxic nitrite ions from wastewater. *Biomass Conversion and Biorefinery*,1	2.3	1
14	p-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	1.7	1

13	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	1
12	PEG-400 promoted a simple, efficient and eco-friendly synthesis of functionalized novel isoxazolyl pyrido[2,3-d]pyrimidines and their antimicrobial and anti-inflammatory activity. *Synthetic Communications*,1-13	1.7	1
11	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	0.7	0
10	Adsorptive removal of toxic chromate and phosphate ions from polluted water using green-synthesized nanometal (Mn-Al-Fe) oxide. *Biomass Conversion and Biorefinery*,1	2.3	0
9	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	1.7	0
8	Effective Adsorbents Based on Biomaterials for Removal of Methylene Blue Dye from Water. *Asian Journal of Chemistry*, **2019**, 31, 617-621	0.4	
7	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	0.9	
6	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	0.4	
5	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	0.4	
4	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	0.4	
3	Effect of Doping Nano Samarium(III) Oxide in PVA+Na3C6H5O7 Films for Battery Applications. *Asian Journal of Chemistry*, **2020**, 32, 1947-1954	0.4	
2	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	0.4	
1	Synthesis of Three Key Impurities of Drug Dolutegravir: An Inhibitor of HIV-1 Integrase. *Polycyclic Aromatic Compounds*,1-14	1.3	