

Surendra Prasad

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,167
citations

331670

21
h-index

395702

33
g-index

40
all docs

40
docs citations

40
times ranked

1370
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorptive removal of fluoride from aqueous media using Citrus limonum (lemon) leaf. <i>Microchemical Journal</i> , 2014, 112, 97-103.	4.5	96
2	Nitrate-N determination in leafy vegetables: Study of the effects of cooking and freezing. <i>Food Chemistry</i> , 2008, 106, 772-780.	8.2	90
3	Plasmonic nanoparticles and their analytical applications: A review. <i>Applied Spectroscopy Reviews</i> , 2017, 52, 774-820.	6.7	81
4	ICP-OES assessment of heavy metal contamination in tropical marine sediments: A comparative study of two digestion techniques. <i>Microchemical Journal</i> , 2013, 111, 53-61.	4.5	77
5	Trace determination and chemical speciation of selenium in environmental water samples using catalytic kinetic spectrophotometric method. <i>Journal of Hazardous Materials</i> , 2009, 165, 780-788.	12.4	65
6	Cobalt(II) complexes of various thiosemicarbazones of 4-aminoantipyrine: syntheses, spectral, thermal and antimicrobial studies. <i>Transition Metal Chemistry</i> , 2007, 32, 143-149.	1.4	56
7	Novel glycine-functionalized magnetic nanoparticles entrapped calcium alginate beads for effective removal of lead. <i>Microchemical Journal</i> , 2017, 130, 168-178.	4.5	55
8	Assessment of biodegradable chelating agents in the phytoextraction of heavy metals from multi-metal contaminated soil. <i>Chemosphere</i> , 2021, 273, 128483.	8.2	43
9	Recent advances and spectroscopic perspectives in fluoride removal. <i>Applied Spectroscopy Reviews</i> , 2017, 52, 175-230.	6.7	40
10	Development and Validation of Catalytic Kinetic Spectrophotometric Method for Determination of Copper(II). <i>Mikrochimica Acta</i> , 2003, 142, 237-244.	5.0	39
11	Extraction and chromatographic determination of phenolic compounds from medicinal herbs in the Lamiaceae and Hypericaceae families: A review. <i>Microchemical Journal</i> , 2019, 145, 1036-1049.	4.5	35
12	Determination and comparison of selected heavy metal concentrations in seawater and sediment samples in the coastal area of Suva, Fiji. <i>Marine Pollution Bulletin</i> , 2020, 157, 111157.	5.0	34
13	First Assessment of Metals Contamination in Road Dust and Roadside Soil of Suva City, Fiji. <i>Archives of Environmental Contamination and Toxicology</i> , 2019, 77, 249-262.	4.1	32
14	The Mercury(II) Catalyzed Ligand Exchange Between Hexacyanoferrate(II) and Pyrazine in Aqueous Medium. <i>Transition Metal Chemistry</i> , 2005, 30, 968-977.	1.4	31
15	Bioavailability of Fe and Zn in selected legumes, cereals, meat and milk products consumed in Fiji. <i>Food Chemistry</i> , 2016, 207, 125-131.	8.2	31
16	Title is missing!. <i>Transition Metal Chemistry</i> , 2003, 28, 1-8.	1.4	28
17	Rapid removal of fluoride from aqueous media using activated dolomite. <i>Analytical Methods</i> , 2015, 7, 8304-8314.	2.7	28
18	Estimated dietary intake of nitrate and nitrite from meat consumed in Fiji. <i>Food Chemistry</i> , 2019, 278, 630-635.	8.2	28

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19	The current state of heavy metal pollution in Pacific Island Countries: a review. <i>Applied Spectroscopy Reviews</i> , 2021, 56, 27-51.	6.7	28
20	An arginine functionalized magnetic nano-sorbent for simultaneous removal of three metal ions from water samples. <i>RSC Advances</i> , 2017, 7, 51079-51089.	3.6	26
21	Flow injection analysis of nitrate-N determination in root vegetables: Study of the effects of cooking. <i>Food Chemistry</i> , 2009, 116, 561-566.	8.2	25
22	Catalytic Abstraction of Cyanide in Hexacyanoferrate(II) by Mercury(II) in the Presence of 1-Nitroso-2-Naphthol as Indicator Reaction for Determination of Mercury(II) by Kinetic Method. <i>Analytical Letters</i> , 2004, 37, 2851-2867.	1.8	23
23	Kinetic Determination of Mercury(II) at Trace Level from Its Catalytic Effect on a Ligand Substitution Process. <i>Journal of Analytical Chemistry</i> , 2005, 60, 581-588.	0.9	20
24	Flow Injection Assessment of Nitrate Contents in Fresh and Cooked Fruits and Vegetables Grown in Fiji. <i>Journal of Food Science</i> , 2011, 76, C1143-8.	3.1	19
25	Development of surfactant assisted kinetic method for trace determination of thallium in environmental samples. <i>Microchemical Journal</i> , 2015, 118, 150-157.	4.5	18
26	Determination of trace amounts of mercury(II) in water samples using a novel kinetic catalytic ligand substitution reaction of hexacyanoruthenate(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 887-891.	3.9	15
27	Inhibitory kinetic spectrophotometric method for the quantitative estimation of d -penicillamine at micro levels. <i>Microchemical Journal</i> , 2016, 128, 181-186.	4.5	14
28	Spectroscopic assessment of heavy metals pollution in roadside soil and road dust: a review. <i>Applied Spectroscopy Reviews</i> , 2021, 56, 588-611.	6.7	14
29	Application of phytoremediation for heavy metal contaminated sites in the South Pacific: strategies, current challenges and future prospects. <i>Applied Spectroscopy Reviews</i> , 2022, 57, 490-512.	6.7	12
30	Sensitive inorganic arsenic speciation on a voltammetric platform in environmental water samples. <i>Microchemical Journal</i> , 2018, 139, 301-305.	4.5	11
31	Kinetic determination of trace amount of mercury(II) in environmental samples. <i>Microchemical Journal</i> , 2016, 128, 55-61.	4.5	10
32	A novel catalytic kinetic method for the determination of mercury(II) in water samples. <i>RSC Advances</i> , 2020, 10, 25100-25106.	3.6	10
33	A study of arsenic contamination by graphite furnace atomic absorption spectrometry in the Lami estuary in Fiji. <i>Microchemical Journal</i> , 2011, 97, 160-164.	4.5	8
34	Spectroscopic review of chelating agents and their influence on the bioavailability of Fe, Zn and Ca in Fijian foods. <i>Applied Spectroscopy Reviews</i> , 2020, 55, 574-592.	6.7	8
35	First screening study of metal content in soil from a mixed waste receptacle. <i>South Pacific Journal of Natural and Applied Sciences</i> , 2015, 33, 7.	0.2	4
36	Absorption spectrometric macronutrients review of soil health during taro crop production. <i>Applied Spectroscopy Reviews</i> , 2020, 55, 378-392.	6.7	4

#	ARTICLE	IF	CITATIONS
37	The formation of an antitubercular complex $[\text{Fe}(\text{CN})_5(\text{INH})]^{3-}$ through mercury(II)-catalyzed ligand substitution reaction: A kinetic and mechanistic study. <i>International Journal of Chemical Kinetics</i> , 2012, 44, 398-406.	1.6	3
38	STABILITY OF SOME BIOLOGICALLY ACTIVE SUBSTANCES IN EXTRACTS AND PREPARATIONS BASED ON ST. JOHN'S WORT (<i>HYPERICUM PERFORATUM</i> L.) AND SAGE (<i>SALVIA OFFICINALIS</i> L.). <i>Industrial Crops and Products</i> , 2020, 156, 112879.	5.2	3
39	A micellar mediated novel method for the determination of selenium in environmental samples using a chromogenic reagent. <i>Analytical Methods</i> , 2020, 12, 4327-4333.	2.7	2
40	Study of heavy metal fractionation in the Lami municipal disposal facility, Fiji. <i>South Pacific Journal of Natural and Applied Sciences</i> , 2016, 34, 21.	0.2	1