Varinder Kaur

List of Publications by Year
in descending order

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50 papers	969 citations	516710 16 h-index	454955 30 g-index
51 all docs	51 docs citations	51 times ranked	1159 citing authors

#	Article	IF	Citations
1	A Review on Solid Phase Micro Extractionâ€"High Performance Liquid Chromatography (SPME-HPLC) Analysis of Pesticides. Critical Reviews in Analytical Chemistry, 2005, 35, 71-85.	3.5	161
2	A review on solid phase microextractionâ€"High performance liquid chromatography as a novel tool for the analysis of toxic metal ions. Talanta, 2006, 68, 842-849.	5.5	115
3	A new approach for simultaneous determination of Co(II), Ni(II), Cu(II) and Pd(II) using 2-thiophenaldehyde-3-thiosemicarbazone as reagent by solid phase microextractionâ€"high performance liquid chromatography. Analytica Chimica Acta, 2007, 603, 44-50.	5.4	85
4	Applications of solid phase microextraction for the determination of metallic and organometallic species. Journal of Separation Science, 2006, 29, 333-345.	2.5	69
5	SPME-HPLC: A new approach to the analysis of explosives. Journal of Hazardous Materials, 2007, 147, 691-697.	12.4	54
6	Schiff base tailed silatranes for the fabrication of functionalized silica based magnetic nano-cores possessing active sites for the adsorption of copper ions. New Journal of Chemistry, 2016, 40, 1640-1648.	2.8	35
7	Exploration of fluorescent organotin compounds of Î±-amino acid Schiff bases for the detection of organophosphorous chemical warfare agents: quantification of diethylchlorophosphate. New Journal of Chemistry, 2018, 42, 8756-8764.	2.8	34
8	A new method for simultaneous determination of Co(II), Ni(II) and Pd(II) as morpholine-4-carbodithioate complex by SPMEâ€"HPLCâ€"UV system. Talanta, 2007, 73, 425-430.	5.5	28
9	Derivatization of 3-aminopropylsilatrane to introduce azomethine linkage in the axial chain: Synthesis, characterization and structural studies. Journal of Organometallic Chemistry, 2013, 724, 186-191.	1.8	27
10	Carbastannatranes: a powerful coupling mediators in Stille coupling. RSC Advances, 2015, 5, 62202-62213.	3.6	22
11	Speciation of Chromium Metal Ions by RP-HPLC. Journal of Chromatographic Science, 2009, 47, 238-242.	1.4	20
12	New silatranes possessing urea functionality: Synthesis, characterization and their structural aspects. Journal of Organometallic Chemistry, 2011, 696, 1341-1348.	1.8	20
13	Reusable Schiff base functionalized silica as a multi-purpose nanoprobe for fluorogenic recognition, quantification and extraction of Zn2+ ions. Sensors and Actuators B: Chemical, 2018, 254, 533-541.	7.8	19
14	Development of new precursors for immobilizing dyes onto silica surfaces. Dyes and Pigments, 2014, 108, 41-49.	3.7	18
15	Schiff base â€" Zn2+ ion combo as â€˜pick and degradeâ€™ probe for selected organophosphorus chemical weapon mimics and flame retardant analog: Detoxification of fruits and vegetables in aqueous media. Food Chemistry, 2020, 327, 127080.	8.2	17
16	Fluorescent biogenic Schiff base compounds of dimethyltin. New Journal of Chemistry, 2018, 42, 1655-1664.	2.8	16
17	Development of Solid Phase Microextractionâ€High Performance Liquid Chromatographic Method for the Determination of Copper(II) in Environmental Samples Using Morpholineâ€4â€Carbodithioate. Annali Di Chimica, 2007, 97, 1279-1290.	0.6	15
18	Extending photophysical behavior of Schiff base tripod for the speciation of iron and fabrication of INHIBIT type molecular logic gate for fluorogenic recognition of Zn(II) and Cd(II) ions. Polyhedron, 2017, 125, 230-237.	2.2	15

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19	Diverse Molecular Architectures of Si and Sn [4.4.3.01,6]Tridecane Cages Derived from a Mannich Base Possessing Semi-Rigid Unsymmetrical Podands. European Journal of Inorganic Chemistry, 2016, 2016, 1730-1737.	2.0	14
20	A Schiff base modified graphene oxide film for anodic stripping voltammetric determination of arsenite. Mikrochimica Acta, 2019, 186, 741.	5.0	13
21	Proton transfer assisted facile encapsulation of picric acid in sol-gel derived silica decorated with azo-azomethine hosts. Dyes and Pigments, 2017, 139, 635-643.	3.7	12
22	Derivative Spectrophotometric Determination of Copper and Palladium Simultaneously by Using MDTC as a Reagent. Analytical Letters, 2007, 40, 2360-2373.	1.8	10
23	Development of a derivative spectrophotometric method for the determination of fungicide zinc ethylenebisdithiocarbamate using sodium molybdate. Journal of the Brazilian Chemical Society, 2009, 20, 993-998.	0.6	10
24	Development of molecularly imprinted microspheres for the fast uptake of 4-cumylphenol from water and soil samples. Journal of Separation Science, 2014, 37, 3330-3338.	2.5	10
25	Exploring superiority of silatranyl moiety as anchoring unit over its trialkoxysilyl analogue for covalent grafting via fabrication of functionalized mesoporous silica possessing azomethinic pincers for dye adsorption. Microporous and Mesoporous Materials, 2019, 273, 265-272.	4.4	10
26	Tricyclic tin(<scp>iv</scp>) cages: synthetic aspects and intriguing features of stannatranes and pseudostannatranes. New Journal of Chemistry, 2020, 44, 3168-3184.	2.8	8
27	Simultaneous Spectrophotometric Determination of Cobalt and Nickel by Partial Least Square Regression in Micellar Media. Annali Di Chimica, 2007, 97, 237-249.	0.6	7
28	Preconcentration Method on Modified Silica Fiber for Chromium Speciation. Journal of Chromatographic Science, 2012, 50, 26-32.	1.4	7
29	A chromogenic â€œoffâ€“onâ€•azomethine sensor possessing ONNNO receptor site for iron species and its application in the fabrication of INHIBIT type molecular logic gate. Polyhedron, 2016, 111, 71-78.	2.2	7
30	Exploration of solvent responsive Cr3+-Schiff base conjugates formonitoring Cr3+ ions and organophosphates: Fabrication of spot-testingdevices. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 201, 46-53.	3.9	7
31	Prospects of silatranyl dye derivatives in cotton dyeing process and dye effluent treatment: a comparative study of methyl red and its silatranyl derivative. Cellulose, 2019, 26, 2885-2894.	4.9	7
32	Anthranilic Acid Schiff Base as a Fluorescent Probe for the Detection of Arsenite and Selenite: A Detailed Investigation of Analytical Parameters and Mechanism for Interaction. Analytical Sciences, 2021, 37, 553-560.	1.6	7
33	Mononuclear Pseudostannatranes Possessing Unsymmetrical [4.4.3.01,5]Tridecane Cage: Experimental and Theoretical Aspects of Reverse Kocheshkov Reaction in Phenyl Pseudostannatrane. Inorganic Chemistry, 2020, 59, 13098-13108.	4.0	6
34	Water stable fluorescent organotin(<scp>iv</scp>) compounds: aggregation induced emission enhancement and recognition of lead ions in an aqueous system. New Journal of Chemistry, 2021, 46, 148-161.	2.8	6
35	Simultaneous Determination of Cobalt and Nickel Using Morpholinedithiocarbamate (MDTC) as Reagent by First and Second Derivative Spectrophotometry. Journal of the Chinese Chemical Society, 2007, 54, 715-722.	1.4	5
36	Metal Assisted Approach to Develop Molecularly Imprinted Mesoporous Material Exhibiting Pockets for the Fast Uptake of Diethyl Phthalate as Copper Complex. Analytical Sciences, 2014, 30, 601-607.	1.6	5

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37	Functionalized silica nanoparticles for trapping Pb²⁺ ions via diazoâ€azomethine scaffolds. Applied Organometallic Chemistry, 2016, 30, 852-859.	3.5	5
38	Metal Ions Analysis with Capillary Zone Electrophoresis. Methods in Molecular Biology, 2016, 1483, 217-247.	0.9	5
39	A stannatrane-like [4.4.4.0 1,6] heterotricyclic stannate anion possessing rhodanide antennae: A chromoreactand for Fe 3+ , Cu 2+ and Co 2+ ions. Inorganica Chimica Acta, 2017, 463, 54-60.	2.4	5
40	Zn2+ conjugated Schiff base organic nanoparticles for selective quantification and degradation of diethyl chlorophosphate in aqueous media: Application to green vegetables. Sensors and Actuators B: Chemical, 2019, 298, 126923.	7.8	5
41	Glutamine conjugated organotin(IV) Schiff base compounds: Synthesis, structure, and anticancer properties. Applied Organometallic Chemistry, 2022, 36, e6521.	3.5	5
42	In-situ generation of fluorescent silica nano-aggregates of silatranyl appended furfural Schiff base and its application to the spectrofluorimetric analysis of phenolic brominated flame retardants in aqueous medium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121338.	3.9	5
43	New approach for the quantification of metallic species in healthcare products based on optical switching of a Schiff base possessing ONO donor set. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 185, 263-270.	3.9	4
44	Dual role of silatranized Schiff base as a fluorimetric probe and a linker to functionalize graphene oxide for the selective detection and adsorption of zinc ions. Inorganica Chimica Acta, 2020, 512, 119859.	2.4	4
45	Capillary Electrophoretic Analysis of Classical Organic Pollutants. Methods in Molecular Biology, 2016, 1483, 407-435.	0.9	3
46	Recent Progress, Challenges and Prospects in Monitoring Plastic-Derived Xenoestrogens Using Molecularly Imprinted Sorbents. Chromatographia, 2014, 77, 207-221.	1.3	2
47	Imprinted silica nanoparticles coated with N -propylsilylmorpholine-4-carboxamide for the determination of m -cresol in synthetic and real samples. Journal of Separation Science, 2015, 38, 3442-3449.	2.5	2
48	Metal Speciation. , 2012, , 715-755.		1
49	Dichiral [4.4.3.0 1,5]tridecane copper(II) cluster derived from a tripodal ligand having unsymmetrical podands and the linker: Synthesis, structure, surface grafting and catalytic aspects. Applied Organometallic Chemistry, 2021, 35, .	3.5	1
50	Synthesis, structure and hydrolysis studies of pseudostannatranes: Kinetic studies of a hexanuclear tin(IV) hydroxo-cluster formed via reverse Kocheshkov reaction and partial hydrolysis of pseudostannatrane. Polyhedron, 2022, 219, 115812.	2.2	1