

Varinder Kaur

List of Publications by Year in descending order

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Version: 2024-02-01

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	Glutamine conjugated organotin(IV) Schiff base compounds: Synthesis, structure, and anticancer properties. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6521.	3.5	5
2	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 pseudostannatranes. <i>Polyhedron</i> , 2022, 219, 115812.	2.2	1
3	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121338.	3.9	5
4	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. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	3.5	1
5	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. <i>Analytical Sciences</i> , 2021, 37, 553-560.	1.6	7
6	Water stable fluorescent organotin(<sc>iv</sc>) compounds: aggregation induced emission enhancement and recognition of lead ions in an aqueous system. <i>New Journal of Chemistry</i> , 2021, 46, 148-161.	2.8	6
7	Mononuclear Pseudostannatranes Possessing Unsymmetrical [4.4.3.01,5]Tridecane Cage: Experimental and Theoretical Aspects of Reverse Kocheshkov Reaction in Phenyl Pseudostannatranes. <i>Inorganic Chemistry</i> , 2020, 59, 13098-13108.	4.0	6
8	Schiff base " Zn ²⁺ ion combo as "pick and degrade"™ probe for selected organophosphorus chemical weapon mimics and flame retardant analog: Detoxification of fruits and vegetables in aqueous media. <i>Food Chemistry</i> , 2020, 327, 127080.	8.2	17
9	Dual role of silatranylized Schiff base as a fluorimetric probe and a linker to functionalize graphene oxide for the selective detection and adsorption of zinc ions. <i>Inorganica Chimica Acta</i> , 2020, 512, 119859.	2.4	4
10	Tricyclic tin(<sc>iv</sc>) cages: synthetic aspects and intriguing features of stannatranes and pseudostannatranes. <i>New Journal of Chemistry</i> , 2020, 44, 3168-3184.	2.8	8
11	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. <i>Microporous and Mesoporous Materials</i> , 2019, 273, 265-272.	4.4	10
12	Zn ²⁺ conjugated Schiff base organic nanoparticles for selective quantification and degradation of diethyl chlorophosphate in aqueous media: Application to green vegetables. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126923.	7.8	5
13	A Schiff base modified graphene oxide film for anodic stripping voltammetric determination of arsenite. <i>Mikrochimica Acta</i> , 2019, 186, 741.	5.0	13
14	Prospects of silatranyl dye derivatives in cotton dyeing process and dye effluent treatment: a comparative study of methyl red and its silatranyl derivative. <i>Cellulose</i> , 2019, 26, 2885-2894.	4.9	7
15	Exploration of fluorescent organotin compounds of Î±-amino acid Schiff bases for the detection of organophosphorous chemical warfare agents: quantification of diethylchlorophosphate. <i>New Journal of Chemistry</i> , 2018, 42, 8756-8764.	2.8	34
16	Exploration of solvent responsive Cr ³⁺ -Schiff base conjugates for monitoring Cr ³⁺ ions and organophosphates: Fabrication of spot-testing devices. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 201, 46-53.	3.9	7
17	Reusable Schiff base functionalized silica as a multi-purpose nanoprobe for fluorogenic recognition, quantification and extraction of Zn ²⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 533-541.	7.8	19
18	Fluorescent biogenic Schiff base compounds of dimethyltin. <i>New Journal of Chemistry</i> , 2018, 42, 1655-1664.	2.8	16

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19	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. <i>Polyhedron</i> , 2017, 125, 230-237.	2.2	15
20	A stannatrate-like [4.4.4.0 1,6] heterotricyclic stannate anion possessing rhodanide antennae: A chromoreactand for Fe 3+ , Cu 2+ and Co 2+ ions. <i>Inorganica Chimica Acta</i> , 2017, 463, 54-60.	2.4	5
21	New approach for the quantification of metallic species in healthcare products based on optical switching of a Schiff base possessing ONO donor set. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 263-270.	3.9	4
22	Proton transfer assisted facile encapsulation of picric acid in sol-gel derived silica decorated with azo-azomethine hosts. <i>Dyes and Pigments</i> , 2017, 139, 635-643.	3.7	12
23	Functionalized silica nanoparticles for trapping Pb ²⁺ ions via diazo-azomethine scaffolds. <i>Applied Organometallic Chemistry</i> , 2016, 30, 852-859.	3.5	5
24	Diverse Molecular Architectures of Si and Sn [4.4.3.01,6]Tridecane Cages Derived from a Mannich Base Possessing Semi-Rigid Unsymmetrical Podands. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1730-1737.	2.0	14
25	Metal Ions Analysis with Capillary Zone Electrophoresis. <i>Methods in Molecular Biology</i> , 2016, 1483, 217-247.	0.9	5
26	Capillary Electrophoretic Analysis of Classical Organic Pollutants. <i>Methods in Molecular Biology</i> , 2016, 1483, 407-435.	0.9	3
27	Schiff base tailed silatranes for the fabrication of functionalized silica based magnetic nano-cores possessing active sites for the adsorption of copper ions. <i>New Journal of Chemistry</i> , 2016, 40, 1640-1648.	2.8	35
28	A chromogenic azomethine sensor possessing ONNNO receptor site for iron species and its application in the fabrication of INHIBIT type molecular logic gate. <i>Polyhedron</i> , 2016, 111, 71-78.	2.2	7
29	Imprinted silica nanoparticles coated with N -propylsilylmorpholine-4-carboxamide for the determination of m -cresol in synthetic and real samples. <i>Journal of Separation Science</i> , 2015, 38, 3442-3449.	2.5	2
30	Carbastannatranes: a powerful coupling mediators in Stille coupling. <i>RSC Advances</i> , 2015, 5, 62202-62213.	3.6	22
31	Development of molecularly imprinted microspheres for the fast uptake of 4-cumylphenol from water and soil samples. <i>Journal of Separation Science</i> , 2014, 37, 3330-3338.	2.5	10
32	Recent Progress, Challenges and Prospects in Monitoring Plastic-Derived Xenoestrogens Using Molecularly Imprinted Sorbents. <i>Chromatographia</i> , 2014, 77, 207-221.	1.3	2
33	Development of new precursors for immobilizing dyes onto silica surfaces. <i>Dyes and Pigments</i> , 2014, 108, 41-49.	3.7	18
34	Metal Assisted Approach to Develop Molecularly Imprinted Mesoporous Material Exhibiting Pockets for the Fast Uptake of Diethyl Phthalate as Copper Complex. <i>Analytical Sciences</i> , 2014, 30, 601-607.	1.6	5
35	Derivatization of 3-aminopropylsilatrane to introduce azomethine linkage in the axial chain: Synthesis, characterization and structural studies. <i>Journal of Organometallic Chemistry</i> , 2013, 724, 186-191.	1.8	27
36	Preconcentration Method on Modified Silica Fiber for Chromium Speciation. <i>Journal of Chromatographic Science</i> , 2012, 50, 26-32.	1.4	7

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37	Metal Speciation. , 2012, , 715-755.		1
38	New silatranes possessing urea functionality: Synthesis, characterization and their structural aspects. Journal of Organometallic Chemistry, 2011, 696, 1341-1348.	1.8	20
39	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
40	Speciation of Chromium Metal Ions by RP-HPLC. Journal of Chromatographic Science, 2009, 47, 238-242.	1.4	20
41	Derivative Spectrophotometric Determination of Copper and Palladium Simultaneously by Using MDTC as a Reagent. Analytical Letters, 2007, 40, 2360-2373.	1.8	10
42	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
43	A new method for simultaneous determination of Co(II), Ni(II) and Pd(II) as morpholine-4-carbodithioate complex by SPME-HPLC-UV system. Talanta, 2007, 73, 425-430.	5.5	28
44	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
45	Development of Solid Phase Microextraction-High Performance Liquid Chromatographic Method for the Determination of Copper(II) in Environmental Samples Using Morpholine-Carbodithioate. Annali Di Chimica, 2007, 97, 1279-1290.	0.6	15
46	A new approach for simultaneous determination of Co(II), Ni(II), Cu(II) and Pd(II) using 2-thiophenylaldehyde-3-thiosemicarbazone as reagent by solid phase microextraction-high performance liquid chromatography. Analytica Chimica Acta, 2007, 603, 44-50.	5.4	85
47	SPME-HPLC: A new approach to the analysis of explosives. Journal of Hazardous Materials, 2007, 147, 691-697.	12.4	54
48	A review on solid phase microextraction-High performance liquid chromatography as a novel tool for the analysis of toxic metal ions. Talanta, 2006, 68, 842-849.	5.5	115
49	Applications of solid phase microextraction for the determination of metallic and organometallic species. Journal of Separation Science, 2006, 29, 333-345.	2.5	69
50	A Review on Solid Phase Micro Extraction-High Performance Liquid Chromatography (SPME-HPLC) Analysis of Pesticides. Critical Reviews in Analytical Chemistry, 2005, 35, 71-85.	3.5	161