Mohammad Kazem Rofouei

List of Publications by Year
in descending order

42 papers	1,412 citations	430874 18 h-index	330143 37 g-index
42 all docs	42 docs citations	42 times ranked	2047 citing authors

#	Article	IF	Citations
1	Multi-walled carbon nanotubes-ionic liquid-carbon paste electrode as a super selectivity sensor: Application to potentiometric monitoring of mercury ion(II). Journal of Hazardous Materials, 2010, 183, 402-409.	12.4	691
2	Solid phase extraction of ultra traces mercury (II) using octadecyl silica membrane disks modified by 1,3-bis(2-ethoxyphenyl)triazene (EPT) ligand and determination by cold vapor atomic absorption spectrometry. Journal of Hazardous Materials, 2011, 192, 1358-1363.	12.4	52
3	Solid phase extraction of ultra traces silver(I) using octadecyl silica membrane disks modified by 1,3-bis(2-cyanobenzene) triazene (CBT) ligand prior to determination by flame atomic absorption. Journal of Hazardous Materials, 2009, 168, 1184-1187.	12.4	51
4	Selective extraction and preconcentration of ultra-trace level of mercury ions in water and fish samples using Fe3O4-magnetite-nanoparticles functionalized by triazene compound prior to its determination by inductively coupled plasma-optical emission spectrometry. Analytical Methods, 2012, 4, 959.	2.7	42
5	Speciation analysis of mercury contaminants in water samples by RP-HPLC after solid phase extraction on modified C18 extraction disks with 1,3-bis(2-cyanobenzene)triazene. Microchemical Journal, 2008, 89, 131-136.	4.5	41
6	A quantum dot-based fluorescence sensor for sensitive and enzymeless detection of creatinine. Analytical Methods, 2016, 8, 5911-5920.	2.7	41
7	Solid phase extraction and determination of ultra trace amounts of copper(II) using octadecyl silica membrane disks modified by 11-hydroxynaphthacene-5,12-quinone and flame atomic absorption spectrometry. Talanta, 2001, 54, 863-869.	5.5	40
8	A New Fluorescence Sensor for Cerium (III) Ion Using Glycine Dithiocarbamate Capped Manganese Doped ZnS Quantum Dots. Journal of Fluorescence, 2015, 25, 1855-1866.	2.5	39
9	A novel extraction and preconcentration of ultra-trace levels of uranium ions in natural water samples using functionalized magnetic-nanoparticles prior to their determination by inductively coupled plasma-optical emission spectrometry. Analytical Methods, 2012, 4, 4107.	2.7	37
10	A bucky gel consisting of Fe3O4 nanoparticles, graphene oxide and ionic liquid as an efficient sorbent for extraction of heavy metal ions from water prior to their determination by ICP-OES. Mikrochimica Acta, 2017, 184, 3425-3432.	5.0	37
11	Structural and solution studies of a novel tetranuclear silver(I) cluster of [1,3-di(2-methoxy)benzene]triazene. Inorganica Chimica Acta, 2007, 360, 1792-1798.	2.4	30
12	Development of a novel MWCNTsâ€“triazene-modified carbon paste electrode for potentiometric assessment of Hg(II) in the aquatic environments. Materials Science and Engineering C, 2015, 47, 273-280.	7.3	30
13	Optical sensor based on 1,3-di(2-methoxyphenyl)triazene for monitoring trace amounts of mercury(II) in water samples. Materials Science and Engineering C, 2010, 30, 847-852.	7.3	25
14	Using magnetic coreâ€shell nanoparticles coated with an ionic liquid dispersion assisted by effervescence powder for the microâ€solidâ€phase extraction of four beta blockers from human plasma by ultra high performance liquid chromatography with mass spectrometry detection. Journal of Separation Science, 2019, 42, 698-705.	2.5	24
15	A sensitive electrochemical sensor for the determination of carvedilol based on a modified glassy carbon electrode with ordered mesoporous carbon. RSC Advances, 2016, 6, 13160-13167.	3.6	23
16	Novel platinum(II) selective membrane electrode based on 1,3-bis(2-cyanobenzene)triazene. Talanta, 2009, 78, 922-928.	5.5	21
17	Mercury(II) selective membrane electrode based on 1,3-bis(2-methoxybenzene)triazene. Materials Science and Engineering C, 2009, 29, 2154-2159.	7.3	20
18	Conductance Study of the Thermodynamics of Complexation of K+, Rb+, Cs+ and Tl+ Ions with Dibenzo-24-crown-8 in Binary Acetonitrileâ€“Nitromethane Mixtures. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 58, 181-186.	1.6	19

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19	Highly selective determination of trace quantities of Hg(ii) in water samples by spectrophotometric and inductively coupled plasma-optical emission spectrometry methods after cloud point extraction. Analytical Methods, 2012, 4, 759.	2.7	15
20	Complexation thermodynamics of some alkali-metal cations with 1,13-bis(8-quinolyl)-1,4,7,10,13-pentaoxatridecane in Acetonitrile. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 58, 377-382.	1.6	12
21	Synthesis, characterization and crystal structures of HgII complexes with asymmetric ortho-functionalized 1,3-bis(aryl)triazenide ligands. Polyhedron, 2012, 44, 138-142.	2.2	12
22	Determination of Trace Amount of Cadmium by Atomic Absorption Spectrometry in Table Salt after Solid Phase Preconcentration Using Octadecyl Silica Membrane Disk Modified by a New Derivative of Pyridine. Journal of Chemistry, 2013, 2013, 1-6.	1.9	11
23	Synthesis, Structure, and Solution Study of a Mercury(II) Complex with the Ligand [1â€(2â€Methoxyphenyl)â€3â€(4â€chlorophenyl)]triazene. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 798-803.	1.2	9
24	Simultaneous removal of crystal violet and methyl green in water samples by functionalised SBA-15. International Journal of Environmental Analytical Chemistry, 2022, 102, 5919-5935.	3.3	9
25	Extractive Spectrophotometric Method for Determination of Pioglitazone Hydrochloride in Raw Material and Tablets Using Ion-Pair Formation. E-Journal of Chemistry, 2010, 7, 915-921.	0.5	8
26	Synthesis and characterization of ion imprinted polymeric nanoparticles for selective extraction and determination of mercury ions. Analytical Methods, 2015, 7, 9641-9648.	2.7	8
27	Applicability of a magnetic bucky gel for microextraction of mercury from complicated matrices followed by cold vapor atomic absorption spectroscopy. Separation Science and Technology, 2020, 55, 1505-1514.	2.5	8
28	133Cs NMR Study of Cs+ Ion Complexes withÂDibenzo-24-crown-8, Dicyclohexano-24-crown-8 andÂDibenzo-30-crown-10 in Binary Acetonitrile-Nitromethane Mixtures. Journal of Solution Chemistry, 2010, 39, 1350-1359.	1.2	7
29	Thermodynamic study for dicyclohexano-24-crown-8 complexes with K+, Rb+, Cs+ and Tl+ ions in binary acetonitrileâ€“nitromethane mixtures by conductometric method. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2008, 62, 231-237.	1.6	6
30	1,3-Bis(2-ethoxyphenyl)triazene. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o719-o719.	0.2	6
31	Synthesis, vibrational, electrostatic potential and NMR studies of (E and Z) 1-(4-chloro-3-nitrophenyl)-3-(2-methoxyphenyl)triazene: Combined experimental and DFT approaches. Journal of Molecular Structure, 2016, 1125, 247-259.	3.6	6
32	Structural and Solution Studies of two Mercury(II) Complexes with [1,3-Bis(2-ethoxy)benzene]triazene. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 220-223.	1.2	5
33	Synthesis and spectroscopic studies of some new ortho functionalized triazene compounds and their reactivity with mercury (II) ion. Journal of the Iranian Chemical Society, 2013, 10, 969-977.	2.2	4
34	Synthesis, Crystal Structure, Solution Study and In Silico ADME Profiling of Various Asymmetric Functionalized Triazenes. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 892-905.	3.7	4
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37	Multinuclear magnetic resonance study of N-phenyl-aza-15-crown-5 complexes with lithium, sodium and caesium ions in nonaqueous solvents. Physics and Chemistry of Liquids, 2013, 51, 102-111.	1.2	3
38	1,3-Bis(2-ethoxyphenyl)triazene methanol 0.33-solvate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2391-o2391.	0.2	3
39	Cobalt(II)-selective membrane electrode based on N,Nâ€²-di(thiazol-2-yl)formimidamide. International Journal of Environmental Analytical Chemistry, 2012, 92, 665-675.	3.3	2
40	Synthesis, characterization and crystal structure of four new asymmetric triazene ligands: An example of linear HgII complex with Hg... Ï€ secondary bonding interactions. Journal of Chemical Sciences, 2015, 127, 2171-2181.	1.5	2
41	Multiwavelength spectrophotometric-thermodynamic studies of complexation reactions of newly synthesized triazenes with Hg2+, Pb2+, Zn2+, and Cd2+ in MeOH, EtOH, DMF, and DMSO. Journal of Molecular Liquids, 2022, 357, 119145.	4.9	2
42	[1,3-Bis(2-ethoxyphenyl)triazenido]bromidomercury(II). Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m1259-m1260.	0.2	0