

Sankararao Chappa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

125
citations

7
h-index

10
g-index

22
ext. papers

157
ext. citations

3.9
avg, IF

2.69
L-index

#	Paper	IF	Citations
20	Study on formation of Pd nanocatalyst in self-reducing silica nanotube produced by using sacrificial Fe ₃ O ₄ template and its efficacy in Cr(VI) reduction. <i>Materials Chemistry and Physics</i> , 2022 , 278, 125580	4.4	0
19	Arsenic quantification and speciation at trace levels in natural water samples by total reflection X-ray fluorescence after pre-concentration with N-methyl-D-glucamine functionalized quartz supports. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 2770-2778	3.7	5
18	Cadmium(II)-Loaded Fe ₃ O ₄ @MPTS Nanoparticles: Preparation and Application as Catalyst for C-N Coupling Reactions. <i>ChemistrySelect</i> , 2019 , 4, 11796-11800	1.8	
17	Functionalized glass fiber membrane for extraction of iodine species. <i>Separation Science and Technology</i> , 2019 , 54, 1469-1477	2.5	5
16	Poly(ethylenimine) functionalized magnetic nanoparticles for sorption of Pb, Cu, and Ni: potential application in catalysis. <i>Separation Science and Technology</i> , 2019 , 54, 1588-1598	2.5	4
15	Pd ²⁺ -Loaded Magnetic Nanoassembly Formed by Magnetite Nanoparticles Crosslinked with Poly(acrylic acid) via Amide Bonds for Catalyzing Mizoroki-Heck Coupling Reaction. <i>ChemistrySelect</i> , 2018 , 3, 8151-8158	1.8	4
14	Supported liquid membrane based loading technique for thermal ionization mass spectrometry: an application to plutonium isotopic composition and concentration determination. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 317, 1367-1376	1.5	4
13	Palladium Nanoparticles Hosted in Poly(ethylenimine) and Poly(ethylene glycol methacrylate phosphate) Anchored Membranes for Catalyzing Uranyl Ions Reduction and Mizoroki-Heck Coupling Reaction. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3259-3268	5.6	9
12	Phosphate functionalized radiation grafted Teflon for capturing and quantifications of U(VI) and Pu(IV) ions at ultra-trace concentration in aqueous samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 317, 1141-1149	1.5	5
11	Poly(ethylene glycol methacrylate phosphate) grafting on silica shell formed on magnetite nanoparticles: applications to selective sequestration of f-element ions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 318, 1171-1179	1.5	3
10	Trace element determinations in uranium by Total reflection X-Ray Fluorescence spectrometry using a newly developed polymer resin for major matrix separation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 150, 18-25	3.1	6
9	Dual-Functional Grafted Electrospun Polymer Microfiber Scaffold Hosted Palladium Nanoparticles for Catalyzing Redox Reactions. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600555	2.6	8
8	Actinides selective extractants coated magnetite nanoparticles for analytical applications. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 312, 675-683	1.5	6
7	Phosphate-bearing polymer grafted glass for plutonium(IV) ion-selective alpha spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 1566-1570	3.7	4
6	Egg-shell membrane mimicking synthetic polymer membrane supported palladium nanoparticles for catalyzing reduction of uranyl(VI) ions. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 53-64	21.8	17
5	Thin film of poly(bis[2-(methacryloyloxy)ethyl]phosphate) grafted on surface of poly(ether sulfone) membrane for plutonium(IV)-selective alpha tracks registration in CR-39 detector. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 314, 187-196	1.5	4
4	Palladium Nanoparticles Hosted on Hydrazine-Grafted Magnetite and Silica Particles to Catalyze the Reduction of Oxymetal Ions with Formic Acid. <i>ChemCatChem</i> , 2016 , 8, 2981-2987	5.2	10

3	Spacer Monomer in Polymer Chain Influencing Affinity of Ethylene Glycol Methacrylate Phosphate toward UO ₂ ²⁺ and Pu ⁴⁺ Ions. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 8992-9002	3-9	8
2	Change in the Affinity of Ethylene Glycol Methacrylate Phosphate Monomer and Its Polymer Anchored on a Graphene Oxide Platform toward Uranium(VI) and Plutonium(IV) Ions. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 2942-50	3-4	9
1	Self-reducing asymmetric polymer membrane for in situ formation and containment of noble metal nanocatalysts. <i>Green Chemistry</i> , 2015 , 17, 4157-4161	10	13