

Sankararao Chappa

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7827740/sankararao-chappa-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
19	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
18	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
17	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
16	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
15	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
14	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
13	Actinides selective extractants coated magnetite nanoparticles for analytical applications. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 312, 675-683	1.5	6
12	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
11	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
10	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
9	Functionalized glass fiber membrane for extraction of iodine species. <i>Separation Science and Technology</i> , 2019 , 54, 1469-1477	2.5	5
8	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
7	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
6	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
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	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

- | | | | |
|---|--|-----|---|
| 3 | 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 |
| 2 | 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 |
| 1 | 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 | |