

A A Nayl

List of Publications by Year in descending order

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46
papers

1,449
citations

279798

23
h-index

330143

37
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47
all docs

47
docs citations

47
times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	Acid leaching of mixed spent Li-ion batteries. <i>Arabian Journal of Chemistry</i> , 2017, 10, S3632-S3639.	4.9	144
2	Recovery of pure $MnSO_4 \cdot H_2O$ by reductive leaching of manganese from pyrolusite ore by sulfuric acid and hydrogen peroxide. <i>International Journal of Mineral Processing</i> , 2011, 100, 116-123.	2.6	102
3	Extraction and separation of Co(II) and Ni(II) from acidic sulfate solutions using Aliquat 336. <i>Journal of Hazardous Materials</i> , 2010, 173, 223-230.	12.4	92
4	Leaching and recovery of zinc and copper from brass slag by sulfuric acid. <i>Journal of Saudi Chemical Society</i> , 2016, 20, S280-S285.	5.2	76
5	Adsorption of crystal violet and methylene blue dyes using a cellulose-based adsorbent from sugarcane bagasse: characterization, kinetic and isotherm studies. <i>Journal of Materials Research and Technology</i> , 2022, 19, 3241-3254.	5.8	75
6	A comparative study of vanadium extraction by Aliquat-336 from acidic and alkaline media with application to spent catalyst. <i>International Journal of Mineral Processing</i> , 2009, 92, 115-120.	2.6	71
7	Selective extraction and separation of metal values from leach liquor of mixed spent Li-ion batteries. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 55, 119-125.	5.3	66
8	Recent progress in the applications of silica-based nanoparticles. <i>RSC Advances</i> , 2022, 12, 13706-13726.	3.6	60
9	Adsorption studies on the removal of COD and BOD from treated sewage using activated carbon prepared from date palm waste. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22284-22293.	5.3	53
10	Adsorption kinetics and modeling of gadolinium and cobalt ions sorption by an ion-exchange resin. <i>Particulate Science and Technology</i> , 2016, 34, 716-724.	2.1	50
11	Kinetics and thermodynamics studies of cobalt, strontium and caesium sorption on marble from aqueous solution. <i>Chemistry and Ecology</i> , 2016, 32, 68-87.	1.6	43
12	Cobalt separation from waste mobile phone batteries using selective precipitation and chelating resin. <i>Journal of Material Cycles and Waste Management</i> , 2014, 16, 739-746.	3.0	39
13	The nanomaterials and recent progress in biosensing systems: A review. <i>Trends in Environmental Analytical Chemistry</i> , 2020, 26, e00087.	10.3	35
14	Acid leaching of ilmenite decomposed by KOH. <i>Hydrometallurgy</i> , 2009, 97, 86-93.	4.3	34
15	Kinetics of acid leaching of ilmenite decomposed by KOH. <i>Journal of Hazardous Materials</i> , 2009, 168, 793-799.	12.4	33
16	Solvent extraction of V(V) and Cr(III) from acidic leach liquors of ilmenite using Aliquat 336. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 4183-4191.	4.2	33
17	Review of the Recent Advances in Electrospun Nanofibers Applications in Water Purification. <i>Polymers</i> , 2022, 14, 1594.	4.5	33
18	Development of sponge/graphene oxide composite as eco-friendly filter to remove methylene blue from aqueous media. <i>Applied Surface Science</i> , 2019, 496, 143676.	6.1	29

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19	Selective sorption of ¹³⁴ Cs and ⁶⁰ Co radioisotopes using synthetic nanocopper ferrocyanide-SiO ₂ materials. Separation and Purification Technology, 2020, 234, 116060.	7.9	28
20	Extraction and Separation of Zr(IV) and Hf(IV) from Nitrate Medium by Some CYANEX Extractants. Separation Science and Technology, 2009, 44, 2956-2970.	2.5	27
21	Synthesis, Characterization and Catalytic Activity of Cu/Cu ₂ O Nanoparticles Prepared in Aqueous Medium. Bulletin of Chemical Reaction Engineering and Catalysis, 2015, 10, 169-174.	1.1	27
22	Ammonium hydroxide decomposition of ilmenite slag. Hydrometallurgy, 2009, 98, 196-200.	4.3	26
23	Anticancer Evaluation of Tris(triazolyl)triazine Derivatives Generated via Click Chemistry. Australian Journal of Chemistry, 2016, 69, 905.	0.9	25
24	Extraction of palladium from nitrate solution by CYANEX 471X. International Journal of Mineral Processing, 2011, 101, 89-93.	2.6	24
25	Preparation and characterization of layered-double hydroxides decorated on graphene oxide for dye removal from aqueous solution. Journal of Materials Research and Technology, 2022, 17, 2782-2795.	5.8	21
26	Investigation of some factors affecting on release of radon-222 from phosphogypsum waste associated with phosphate ore processing. Journal of Environmental Radioactivity, 2015, 145, 40-47.	1.7	20
27	Design, Molecular Docking, Synthesis, Anticancer and Anti-Hyperglycemic Assessments of Thiazolidine-2,4-diones Bearing Sulfonylthiourea Moieties as Potent VEGFR-2 Inhibitors and PPAR β Agonists. Pharmaceuticals, 2022, 15, 226.	3.8	20
28	Decontamination of organic pollutants from aqueous media using cotton fiber-graphene oxide composite, utilizing batch and filter adsorption techniques: a comparative study. RSC Advances, 2019, 9, 5770-5785.	3.6	19
29	Recent Progress and Potential Biomedical Applications of Electrospun Nanofibers in Regeneration of Tissues and Organs. Polymers, 2022, 14, 1508.	4.5	17
30	Fabrication and Characterization of Effective Biochar Biosorbent Derived from Agricultural Waste to Remove Cationic Dyes from Wastewater. Polymers, 2022, 14, 2587.	4.5	17
31	A novel method for highly effective removal and determination of binary cationic dyes in aqueous media using a cotton-graphene oxide composite. RSC Advances, 2020, 10, 7791-7802.	3.6	16
32	Water as a solvent for Ru-catalyzed click reaction: Highly efficient recyclable catalytic system for triazolocoumarins synthesis. Applied Organometallic Chemistry, 2019, 33, e5156.	3.5	12
33	Azides in the Synthesis of Various Heterocycles. Molecules, 2022, 27, 3716.	3.8	12
34	The Chemical Profiling, Docking Study, and Antimicrobial and Antibiofilm Activities of the Endophytic fungi Aspergillus sp. AP5. Molecules, 2022, 27, 1704.	3.8	9
35	Preparation and Characterization of Magnetite Talc (Fe ₃ O ₄ @Talc) Nanocomposite as an Effective Adsorbent for Cr(VI) and Alizarin Red S Dye. Materials, 2022, 15, 3401.	2.9	9
36	Fabrication and characterization of a novel (GO/PAA/PAM) nanocomposite as effective adsorbent for cationic dyes. Journal of Materials Research and Technology, 2021, 15, 3807-3824.	5.8	8

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37	EGFR and COX-2 Dual Inhibitor: The Design, Synthesis, and Biological Evaluation of Novel Chalcones. <i>Molecules</i> , 2022, 27, 1158.	3.8	8
38	Recovery of Laminar LiCoO ₂ Materials from Spent Mobile Phone Batteries by High-Temperature Calcination. <i>Journal of Sustainable Metallurgy</i> , 2019, 5, 474-481.	2.3	7
39	Studying and spectral characterization for the separation of lanthanides from phosphate ore by organic and inorganic acids. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10276-10290.	5.8	7
40	NanoTafla Nanocomposite as a Novel Low-Cost and Eco-Friendly Sorbent for Strontium and Europium Ions. <i>ACS Omega</i> , 2022, 7, 10447-10457.	3.5	6
41	Novel Pyridinium Based Ionic Liquid Promoter for Aqueous Knoevenagel Condensation: Green and Efficient Synthesis of New Derivatives with Their Anticancer Evaluation. <i>Molecules</i> , 2022, 27, 2940.	3.8	6
42	Liquid-Liquid Extraction and Separation of Divalent Manganese and Zinc by Na-CYANEX 272 from Sulfate Solution. <i>Separation Science and Technology</i> , 2014, 49, 290-297.	2.5	3
43	Graphene Oxide@Heavy Metal Ions (GO@M) Complex Simulated Waste as an Efficient Adsorbent for Removal of Cationic Methylene Blue Dye from Contaminated Water. <i>Materials</i> , 2022, 15, 3657.	2.9	3
44	Extraction equilibria and kinetics of Ti(IV) from leached chloride liquors of ilmenite. <i>Rare Metals</i> , 2017, 36, 676-684.	7.1	2
45	A novel adsorbent functionalized with tri-octylamine (TOA) to effective removal of Cr(VI) from sulfate medium. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 121, 292-301.	5.3	1
46	Development and Greenness Assessment of HPLC Method for Studying the Pharmacokinetics of Co-Administered Metformin and Papaya Extract. <i>Molecules</i> , 2022, 27, 375.	3.8	1