

Qing-Hua Tian

List of Publications by Year in descending order

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49
papers

1,949
citations

361296
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254106
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49
all docs

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docs citations

49
times ranked

1834
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrometallurgical options for recycling spent lithium-ion batteries: A comprehensive review. <i>Journal of Power Sources</i> , 2021, 491, 229622.	4.0	399
2	Isotherms, kinetics and thermodynamic studies of adsorption of Cu ²⁺ from aqueous solutions by Mg ²⁺ /K ⁺ type orange peel adsorbents. <i>Journal of Hazardous Materials</i> , 2010, 174, 756-762.	6.5	287
3	Application of orange peel xanthate for the adsorption of Pb ²⁺ from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2009, 170, 425-429.	6.5	143
4	Adsorption of Cu ²⁺ and Cd ²⁺ from aqueous solution by mercapto-acetic acid modified orange peel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 10-14.	2.5	101
5	Leaching behavior of metals from a limonitic nickel laterite using a sulfation-roasting-leaching process. <i>Hydrometallurgy</i> , 2009, 99, 144-150.	1.8	90
6	Adsorption of Pb ²⁺ and Zn ²⁺ from aqueous solutions by sulfured orange peel. <i>Desalination</i> , 2011, 275, 212-216.	4.0	84
7	Effective removal of heavy metals from aqueous solutions by orange peel xanthate. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, s187-s191.	1.7	75
8	Leaching behavior of metals from high-arsenic dust by NaOH-Na ₂ S alkaline leaching. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 575-580.	1.7	66
9	Substance flow analysis of zinc in China. <i>Resources, Conservation and Recycling</i> , 2010, 54, 171-177.	5.3	55
10	Recovery of tellurium from high tellurium-bearing materials by alkaline sulfide leaching followed by sodium sulfite precipitation. <i>Hydrometallurgy</i> , 2017, 171, 355-361.	1.8	40
11	Ozonation leaching of a complex sulfidic antimony ore in hydrochloric acid solution. <i>Hydrometallurgy</i> , 2016, 159, 126-131.	1.8	39
12	Extraction of valuable metals from manganese-silver ore. <i>Hydrometallurgy</i> , 2012, 119-120, 8-15.	1.8	36
13	Adsorption of Pb ²⁺ , Cu ²⁺ and Ni ²⁺ from aqueous solutions by novel garlic peel adsorbent. <i>Desalination and Water Treatment</i> , 2013, 51, 7166-7171.	1.0	33
14	Electroless copper plating on microcellular polyurethane foam. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, s283-s287.	1.7	30
15	Review of the Effect of Oxygen on Titanium and Deoxygenation Technologies for Recycling of Titanium Metal. <i>Jom</i> , 2019, 71, 3209-3220.	0.9	30
16	Mineralogical characterization and pretreatment for antimony extraction by ozone of antimony-bearing refractory gold concentrates. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 1888-1895.	1.7	28
17	Optionally ultra-fast synthesis of CoO/Co ₃ O ₄ particles using CoCl ₂ solution via a versatile spray roasting method. <i>Advanced Powder Technology</i> , 2010, 21, 529-533.	2.0	26
18	Recovery of Cobalt from Secondary Resources: A Comprehensive Review. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2022, 43, 679-700.	2.6	26

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19	Towards "zero waste" extraction of nickel from scrap nickel-based superalloy using magnesium. <i>Journal of Cleaner Production</i> , 2020, 262, 121275.	4.6	25
20	Nanostructured (Co, Mn) ₃ O ₄ for High Capacitive Supercapacitor Applications. <i>Nanoscale Research Letters</i> , 2017, 12, 214.	3.1	22
21	Theoretical simulation and experimental study of hydrolysis separation of SbCl ₃ in complexation-precipitation system. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 2746-2753.	1.7	21
22	Application of pre-alloyed powders for diamond tools by ultrahigh pressure water atomization. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 2665-2671.	1.7	19
23	Heavy metal redistribution mechanism assisted magnetic separation for highly-efficient removal of lead and cadmium from human blood. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 563-574.	5.0	18
24	Facile synthesis of Ag ₂ Se quantum dots and their application in Dye/Ag ₂ Se co-sensitized solar cells. <i>Journal of Materials Science</i> , 2017, 52, 12131-12140.	1.7	17
25	Absorption performance of DMSA modified Fe ₃ O ₄ @SiO ₂ core/shell magnetic nanocomposite for Pb ²⁺ removal. <i>Journal of Central South University</i> , 2018, 25, 709-718.	1.2	16
26	Towards a circular metal additive manufacturing through recycling of materials: A mini review. <i>Journal of Central South University</i> , 2020, 27, 1134-1145.	1.2	16
27	One pot controllable synthesis of AgCl nanocrystals with different morphology and their photocatalytic activity. <i>Powder Technology</i> , 2017, 308, 206-213.	2.1	15
28	Application of response surface methodology in optimizing the sulfation-roasting-leaching process of nickel laterite. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2012, 19, 199-204.	2.4	14
29	One-step synthesis of micro-sized hexagon silver sheets by the ascorbic acid reduction with the presence of H ₂ SO ₄ . <i>Advanced Powder Technology</i> , 2014, 25, 865-870.	2.0	14
30	Copper and arsenic substance flow analysis of pyrometallurgical process for copper production. <i>Transactions of Nonferrous Metals Society of China</i> , 2022, 32, 364-376.	1.7	14
31	Thermodynamic analysis and process optimization of zinc and lead recovery from copper smelting slag with chlorination roasting. <i>Transactions of Nonferrous Metals Society of China</i> , 2021, 31, 3905-3917.	1.7	14
32	Kinetics of oxidation-precipitation of cobalt(II) from solution by ozone. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, s42-s45.	1.7	13
33	Selective recovery of Sb and Te from the sodium sulfide leach solution of Te-bearing alkaline skimming slag by drop-wise H ₂ O ₂ addition followed by Na ₂ S-Na ₂ SO ₃ precipitation. <i>Hydrometallurgy</i> , 2020, 191, 105219.	1.8	13
34	Leaching kinetics of tellurium-bearing materials in alkaline sulfide solutions. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2020, 41, 1-10.	2.6	12
35	Effect of selected parameters on stibnite concentrates leaching by ozone. <i>Hydrometallurgy</i> , 2016, 165, 295-299.	1.8	10
36	Leaching kinetics of antimony-bearing complex sulfides ore in hydrochloric acid solution with ozone. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 2073-2081.	1.7	10

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37	A Novel Method for Making Co-Cr-Mo Alloy Spherical Powder by Granulation and Sintering. <i>Jom</i> , 2020, 72, 1279-1285.	0.9	9
38	Recovery of gold from refractory gold ores: Effect of pyrite on the stability of the thiourea leaching system. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 956-964.	2.4	9
39	Tungsten and arsenic substance flow analysis of a hydrometallurgical process for tungsten extracting from wolframite. <i>Tungsten</i> , 2021, 3, 348-360.	2.0	9
40	Potential-controlled selective recovery of manganese and cobalt from cobalt slag leaching solution. <i>Hydrometallurgy</i> , 2017, 169, 201-206.	1.8	8
41	Comprehensive treatment of acid effluent containing antimony and arsenic by selective reduction and evaporative crystallization. <i>Hydrometallurgy</i> , 2020, 195, 105366.	1.8	8
42	Manufacturing microporous foam zinc materials with high porosity by electrodeposition. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 843-846.	0.4	7
43	Synthesis of size-controllable Fe ₃ O ₄ magnetic submicroparticles and its biocompatible evaluation in vitro. <i>Journal of Central South University</i> , 2016, 23, 2784-2791.	1.2	7
44	Adsorption of Re(VII) from sulfuric acid solutions by coated impregnated resins containing TBP. <i>Separation Science and Technology</i> , 2020, 55, 3320-3328.	1.3	5
45	Stability constants of Sb ⁵⁺ with Cl ⁻ and thermodynamics of Sb ⁵⁺ -Cl ⁻ -H ₂ O system involving complex behavior of Sb with Cl. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 3379-3389.	1.7	5
46	Adsorption of Re(VII) by coated solvent-impregnated resins containing Alamine 304-1 from sulfuric acid solutions. <i>Rare Metals</i> , 2020, 39, 942-950.	3.6	4
47	Dissolution behavior of nickel-based superalloy in molten zinc: Its mechanism and kinetics. <i>Journal of Alloys and Compounds</i> , 2021, 878, 160338.	2.8	3
48	Optimization of Tellurium and Antimony Extraction from Residue Generated in Alkaline Sulfide Leaching of Tellurium-Bearing Alkaline Skimming Slag Using Central Composite Design. <i>Mining, Metallurgy and Exploration</i> , 2020, 37, 493-505.	0.4	2
49	Selective Extraction of Ni from Superalloy Scraps by Molten Mg-Zn. <i>Metals</i> , 2021, 11, 993.	1.0	2