

Kirsi Yliniemi

List of Publications by Year in descending order

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51
papers

862
citations

361413
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51
all docs

51
docs citations

51
times ranked

967
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of Benzotriazole on the Surface of Copper Alloys Studied by SECM and XPS. Journal of the Electrochemical Society, 2006, 153, B311.	2.9	59
2	Inhibitive Effect of Benzotriazole on Copper Surfaces Studied by SECM. Journal of the Electrochemical Society, 2005, 152, B12.	2.9	46
3	Electrochemical recovery of minor concentrations of gold from cyanide-free cupric chloride leaching solutions. Journal of Cleaner Production, 2018, 186, 840-850.	9.3	42
4	Leaching and recovery of gold from ore in cyanide-free glycine media. Minerals Engineering, 2020, 158, 106610.	4.3	38
5	The formation and characterisation of ultra-thin films containing Ag nanoparticles. Journal of Materials Chemistry, 2008, 18, 199-206.	6.7	35
6	Water soluble binder for fabrication of Li ₄ Ti ₅ O ₁₂ electrodes. Journal of Power Sources, 2013, 226, 134-139.	7.8	35
7	From Waste to Valuable Resource: Lignin as a Sustainable Anti-Corrosion Coating. Coatings, 2018, 8, 454.	2.6	34
8	Synthesis of copolymer-stabilized silver nanoparticles for coating materials. Colloid and Polymer Science, 2010, 288, 543-553.	2.1	33
9	Platinum Recovery from Industrial Process Solutions by Electrodeposition—Redox Replacement. ACS Sustainable Chemistry and Engineering, 2018, 6, 14631-14640.	6.7	32
10	Energy efficient copper electrowinning and direct deposition on carbon nanotube film from industrial wastewaters. Journal of Cleaner Production, 2019, 207, 1033-1039.	9.3	32
11	Localised corrosion: general discussion. Faraday Discussions, 2015, 180, 381-414.	3.2	29
12	Electrochemical recovery of tellurium from metallurgical industrial waste. Journal of Applied Electrochemistry, 2020, 50, 1-14.	2.9	27
13	Learning experiences from digital laboratory safety training. Education for Chemical Engineers, 2021, 34, 87-93.	4.8	27
14	Mechanism of selective gold extraction from multi-metal chloride solutions by electrodeposition-redox replacement. Green Chemistry, 2020, 22, 3615-3625.	9.0	26
15	The Effect of Oxygen on the Inhibition of Copper Corrosion with Benzotriazole. Journal of the Electrochemical Society, 2006, 153, B22.	2.9	24
16	Protein-assisted 2D assembly of gold nanoparticles on a polysaccharide surface. Chemical Communications, 2013, 49, 1318.	4.1	24
17	A direct synthesis of platinum/nickel co-catalysts on titanium dioxide nanotube surface from hydrometallurgical-type process streams. Journal of Cleaner Production, 2018, 201, 39-48.	9.3	24
18	Recovery of High-Purity Silver from Spent Silver Oxide Batteries by Sulfuric Acid Leaching and Electrowinning. ACS Sustainable Chemistry and Engineering, 2020, 8, 15573-15583.	6.7	24

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19	Recovery of Silver from Dilute Effluents via Electrodeposition and Redox Replacement. <i>Journal of the Electrochemical Society</i> , 2019, 166, E266-E274.	2.9	23
20	Improved Metal Circular Economy-Selective Recovery of Minor Ag Concentrations from Zn Process Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10996-11004.	6.7	22
21	Controlling the deposition of silver and bimetallic silver/copper particles onto a carbon nanotube film by electrodeposition-redox replacement. <i>Surface and Coatings Technology</i> , 2019, 374, 305-316.	4.8	21
22	Transpassive dissolution of Ni-Cr alloys in sulphate solutions—comparison between a model alloy and two industrial alloys. <i>Electrochimica Acta</i> , 2002, 47, 1697-1712.	5.2	18
23	QCM study of the adsorption of polyelectrolyte covered mesoporous TiO ₂ nanocontainers on SAM modified Au surfaces. <i>Journal of Colloid and Interface Science</i> , 2011, 362, 180-187.	9.4	18
24	Formation of Pt/Pb nanoparticles by electrodeposition and redox replacement cycles on fluorine doped tin oxide glass. <i>Electrochimica Acta</i> , 2013, 88, 278-286.	5.2	18
25	Effect of Impurities in Precious Metal Recovery by Electrodeposition-Redox Replacement Method from Industrial Side-Streams and Process Streams. <i>ECS Transactions</i> , 2018, 85, 59-67.	0.5	17
26	Chemical composition and barrier properties of Ag nanoparticle-containing sol-gel films in oxidizing and reducing low-temperature plasmas. <i>Surface and Coatings Technology</i> , 2007, 201, 7865-7872.	4.8	16
27	Effect of probe tip inclination on the response of the Scanning Vibrating Electrode Technique to an idealised pit-like feature. <i>Electrochimica Acta</i> , 2012, 66, 52-60.	5.2	13
28	Structural distinction due to deposition method in ultrathin films of cellulose nanofibres. <i>Cellulose</i> , 2018, 25, 1715-1724.	4.9	12
29	Electro-hydrometallurgical chloride process for selective gold recovery from refractory telluride gold ores: A mini-pilot study. <i>Chemical Engineering Journal</i> , 2022, 429, 132283.	12.7	12
30	Dissolution Control of Mg by Cellulose Acetate-Polyelectrolyte Membranes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22393-22399.	8.0	11
31	Innovative Education and Active Teaching with the Leidenfrost Nanochemistry. <i>Journal of Chemical Education</i> , 2018, 95, 1966-1974.	2.3	11
32	Controllable Production of Ag/Zn and Ag Particles from Hydrometallurgical Zinc Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8186-8197.	6.7	9
33	A future application of pulse plating—silver recovery from hydrometallurgical bottom ash leachant. <i>Transactions of the Institute of Metal Finishing</i> , 2018, 96, 253-257.	1.3	8
34	Combined in situ electrochemical impedance spectroscopy-UV/Vis and AFM studies of Ag nanoparticle stability in perfluorinated films. <i>Materials Chemistry and Physics</i> , 2012, 134, 302-308.	4.0	6
35	Performance-Based Selection of the Cathode Material for the Electrodeposition-Redox Replacement Process of Gold Recovery from Chloride Solutions. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 3107-3119.	2.1	6
36	Platinized Counter Electrodes for Dye Sensitized Solar Cells through the Redox Replacement of a Low Power Electrodeposited Lead Sacrificial Template. <i>ECS Transactions</i> , 2013, 53, 11-17.	0.5	4

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37	Investigation into the Effect of Spot Weld Electrode Life and Quality on the Corrosion Behavior of Galvanized Automotive Steel Using the Three-dimensional Scanning Vibrating Technique. ECS Transactions, 2013, 50, 53-64.	0.5	4
38	Green and Controllable Preparation of Cu/Zn Alloys Using Combined Electrodeposition and Redox Replacement. ACS Sustainable Chemistry and Engineering, 2022, 10, 4770-4779.	6.7	4
39	Effect of viscosity and applied potential on oscillations at a Pt/Pt dual-electrode in a ferricyanide system. Electrochimica Acta, 2010, 55, 4669-4675.	5.2	3
40	Electrochemical Growth of Ag/Zn Alloys from Zinc Process Solutions and Their Dealloying Behavior. ACS Sustainable Chemistry and Engineering, 2022, 10, 3716-3725.	6.7	3
41	Targeted surface modification of Cu/Zn/Ag coatings and Ag/Cu particles based on sacrificial element selection by electrodeposition and redox replacement. Surface and Coatings Technology, 2022, 441, 128531.	4.8	3
42	Sympathetic current oscillations at an enzyme electrode induced by potential oscillations at a Pt surface. Electrochemistry Communications, 2009, 11, 2328-2331.	4.7	2
43	The Use of 3D-SVET for the Examination of Plasticized PVC Coatings: Effect of Deformation and UV Irradiation on Barrier Properties. ECS Transactions, 2015, 64, 69-80.	0.5	2
44	From metal-containing industrial waste towards circular economy of metals: European Training Network SOCRATES. Transactions of the Institute of Metal Finishing, 2018, 96, 59-61.	1.3	2
45	Solid/fluid interface: general discussion. Faraday Discussions, 2015, 180, 81-96.	3.2	1
46	Study of Transport Properties of Polyelectrolyte-Cellulose Acetate Membranes. ECS Transactions, 2017, 77, 663-669.	0.5	1
47	Environmental Aspects of the Electrochemical Recovery of Tellurium by Electrochemical Deposition-Redox Replacement (EDRR). Minerals, Metals and Materials Series, 2021, , 57-63.	0.4	1
48	Time-Dependent Behavior of Cation Transport through Cellulose Acetate-Cationic Polyelectrolyte Membranes. Journal of the Electrochemical Society, 2018, 165, H39-H44.	2.9	0
49	Sustainable valorisation of industrial residues as an enabler for achieving the goals of the EU Green Deal: European Training Network SOCRATES. Transactions of the Institute of Metal Finishing, 2021, 99, 110-112.	1.3	0
50	Effect of Impurities in Precious Metal Recovery By Electrodeposition-Redox Replacement Method from Industrial Side-Streams and Process Streams. ECS Meeting Abstracts, 2018, , .	0.0	0
51	Environmentally Friendly Coatings for Improved Stainless Steel Corrosion Resistance from Biorefinery Side Streams. ECS Meeting Abstracts, 2018, , .	0.0	0