Kirsi Yliniemi

List of Publications by Year
in descending order

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51	862	361413	501196
papers	citations	20 h-index	28 g-index

51	51	51	967
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electro-hydrometallurgical chloride process for selective gold recovery from refractory telluride gold ores: A mini-pilot study. Chemical Engineering Journal, 2022, 429, 132283.	12.7	12
2	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
3	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
4	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
5	Learning experiences from digital laboratory safety training. Education for Chemical Engineers, 2021, 34, 87-93.	4.8	27
6	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
7	Controllable Production of Ag/Zn and Ag Particles from Hydrometallurgical Zinc Solutions. ACS Sustainable Chemistry and Engineering, 2021, 9, 8186-8197.	6.7	9
8	Performance-Based Selection of the Cathode Material for the Electrodeposition-Redox Replacement Process of Gold Recovery from Chloride Solutions. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2021, 52, 3107-3119.	2.1	6
9	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
10	Electrochemical recovery of tellurium from metallurgical industrial waste. Journal of Applied Electrochemistry, 2020, 50, 1-14.	2.9	27
11	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
12	Leaching and recovery of gold from ore in cyanide-free glycine media. Minerals Engineering, 2020, 158, 106610.	4.3	38
13	Mechanism of selective gold extraction from multi-metal chloride solutions by electrodeposition-redox replacement. Green Chemistry, 2020, 22, 3615-3625.	9.0	26
14	Controlling the deposition of silver and bimetallic silver/copper particles onto a carbon nanotube film by electrodeposition-redox replacement. Surface and Coatings Technology, 2019, 374, 305-316.	4.8	21
15	Recovery of Silver from Dilute Effluents via Electrodeposition and Redox Replacement. Journal of the Electrochemical Society, 2019, 166, E266-E274.	2.9	23
16	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
17	Time-Dependent Behavior of Cation Transport through Cellulose Acetate-Cationic Polyelectrolyte Membranes. Journal of the Electrochemical Society, 2018, 165, H39-H44.	2.9	0
18	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

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19	Structural distinction due to deposition method in ultrathin films of cellulose nanofibres. Cellulose, 2018, 25, 1715-1724.	4.9	12
20	Effect of Impurities in Precious Metal Recovery by Electrodeposition-Redox Replacement Method from Industrial Side-Streams and Process Streams. ECS Transactions, 2018, 85, 59-67.	0.5	17
21	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
22	From Waste to Valuable Resource: Lignin as a Sustainable Anti-Corrosion Coating. Coatings, 2018, 8, 454.	2.6	34
23	Platinum Recovery from Industrial Process Solutions by Electrodepositionâ€“Redox Replacement. ACS Sustainable Chemistry and Engineering, 2018, 6, 14631-14640.	6.7	32
24	A future application of pulse plating â€“ silver recovery from hydrometallurgical bottom ash leachant. Transactions of the Institute of Metal Finishing, 2018, 96, 253-257.	1.3	8
25	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
26	Innovative Education and Active Teaching with the Leidenfrost Nanochemistry. Journal of Chemical Education, 2018, 95, 1966-1974.	2.3	11
27	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
28	Environmentally Friendly Coatings for Improved Stainless Steel Corrosion Resistance from Biorefinery Side Streams. ECS Meeting Abstracts, 2018, , .	0.0	0
29	Improved Metal Circular Economy-Selective Recovery of Minor Ag Concentrations from Zn Process Solutions. ACS Sustainable Chemistry and Engineering, 2017, 5, 10996-11004.	6.7	22
30	Study of Transport Properties of Polyelectrolyte-Cellulose Acetate Membranes. ECS Transactions, 2017, 77, 663-669.	0.5	1
31	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
32	Solid/fluid interface: general discussion. Faraday Discussions, 2015, 180, 81-96.	3.2	1
33	Localised corrosion: general discussion. Faraday Discussions, 2015, 180, 381-414.	3.2	29
34	Dissolution Control of Mg by Cellulose Acetateâ€“Polyelectrolyte Membranes. ACS Applied Materials & Interfaces, 2014, 6, 22393-22399.	8.0	11
35	Formation of Pt/Pb nanoparticles by electrodeposition and redox replacement cycles on fluorine doped tin oxide glass. Electrochimica Acta, 2013, 88, 278-286.	5.2	18
36	Water soluble binder for fabrication of Li4Ti5O12 electrodes. Journal of Power Sources, 2013, 226, 134-139.	7.8	35

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37	Protein-assisted 2D assembly of gold nanoparticles on a polysaccharide surface. Chemical Communications, 2013, 49, 1318.	4.1	24
38	Platinized Counter Electrodes for Dye Sensitized Solar Cells through the Redox Replacement of a Low Power Electrodeposited Lead Sacrificial Template. ECS Transactions, 2013, 53, 11-17.	0.5	4
39	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
40	Effect of probe tip inclination on the response of the Scanning Vibrating Electrode Technique to an idealised pit-like feature. Electrochimica Acta, 2012, 66, 52-60.	5.2	13
41	Combined in situ electrochemical impedance spectroscopyâ€“UV/Vis and AFM studies of Ag nanoparticle stability in perfluorinated films. Materials Chemistry and Physics, 2012, 134, 302-308.	4.0	6
42	QCM study of the adsorption of polyelectrolyte covered mesoporous TiO2 nanocontainers on SAM modified Au surfaces. Journal of Colloid and Interface Science, 2011, 362, 180-187.	9.4	18
43	Synthesis of copolymer-stabilized silver nanoparticles for coating materials. Colloid and Polymer Science, 2010, 288, 543-553.	2.1	33
44	Effect of viscosity and applied potential on oscillations at a Ptâ€“Pt dual-electrode in a ferricyanide system. Electrochimica Acta, 2010, 55, 4669-4675.	5.2	3
45	Sympathetic current oscillations at an enzyme electrode induced by potential oscillations at a Pt surface. Electrochemistry Communications, 2009, 11, 2328-2331.	4.7	2
46	The formation and characterisation of ultra-thin films containing Ag nanoparticles. Journal of Materials Chemistry, 2008, 18, 199-206.	6.7	35
47	Chemical composition and barrier properties of Ag nanoparticle-containing solâ€“gel films in oxidizing and reducing low-temperature plasmas. Surface and Coatings Technology, 2007, 201, 7865-7872.	4.8	16
48	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
49	The Effect of Oxygen on the Inhibition of Copper Corrosion with Benzotriazole. Journal of the Electrochemical Society, 2006, 153, B22.	2.9	24
50	Inhibitive Effect of Benzotriazole on Copper Surfaces Studied by SECM. Journal of the Electrochemical Society, 2005, 152, B12.	2.9	46
51	Transpassive dissolution of Niâ€“Cr alloys in sulphate solutionsâ€”comparison between a model alloy and two industrial alloys. Electrochimica Acta, 2002, 47, 1697-1712.	5.2	18