

Gunvor Marie Kirkelund

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

995
citations

20
h-index

30
g-index

55
ext. papers

1,147
ext. citations

7
avg, IF

4.81
L-index

#	Paper	IF	Citations
52	Extracting phosphorous from incinerated sewage sludge ash rich in iron or aluminum. <i>Chemosphere</i> , 2013 , 91, 963-9	8.4	113
51	Investigations of Cu, Pb and Zn partitioning by sequential extraction in harbour sediments after electro-dialytic remediation. <i>Chemosphere</i> , 2010 , 79, 997-1002	8.4	58
50	Electrodialytic removal of Cu, Zn, Pb, and Cd from harbor sediment: influence of changing experimental conditions. <i>Environmental Science & Technology</i> , 2005 , 39, 2906-11	10.3	54
49	Test of experimental set-ups for electro-dialytic removal of Cu, Zn, Pb and Cd from different contaminated harbour sediments. <i>Engineering Geology</i> , 2005 , 77, 349-357	6	40
48	Electrodialytic removal of heavy metals and chloride from municipal solid waste incineration fly ash and air pollution control residue in suspension [Test of a new two compartment experimental cell. <i>Electrochimica Acta</i> , 2015 , 181, 73-81	6.7	38
47	Phosphorous recovery from sewage sludge ash suspended in water in a two-compartment electro-dialytic cell. <i>Waste Management</i> , 2016 , 51, 142-148	8.6	35
46	The use of desorbing agents in electro-dialytic remediation of harbour sediment. <i>Science of the Total Environment</i> , 2006 , 357, 25-37	10.2	34
45	Acidification of Harbor Sediment and Removal of Heavy Metals Induced by Water Splitting in Electro-dialytic Remediation. <i>Separation Science and Technology</i> , 2005 , 40, 2245-2264	2.5	34
44	Comparison of different MSWI fly ash treatment processes on the thermal behavior of As, Cr, Pb and Zn in the ash. <i>Waste Management</i> , 2017 , 68, 240-251	8.6	32
43	Electrodialytic remediation of harbour sediment in suspension--evaluation of effects induced by changes in stirring velocity and current density on heavy metal removal and pH. <i>Journal of Hazardous Materials</i> , 2009 , 169, 685-90	12.8	31
42	Multivariate methods for evaluating the efficiency of electro-dialytic removal of heavy metals from polluted harbour sediments. <i>Journal of Hazardous Materials</i> , 2015 , 283, 712-20	12.8	30
41	Colour, compressive strength and workability of mortars with an iron rich sewage sludge ash. <i>Construction and Building Materials</i> , 2017 , 157, 1199-1205	6.7	29
40	Electrodialytic Separation of Phosphorus and Heavy Metals from Two Types of Sewage Sludge Ash. <i>Separation Science and Technology</i> , 2014 , 49, 1910-1920	2.5	29
39	Ammonium citrate as enhancement for electro-dialytic soil remediation and investigation of soil solution during the process. <i>Chemosphere</i> , 2015 , 119, 889-895	8.4	25
38	Electrodialytic remediation of suspended soil--Comparison of two different soil fractions. <i>Journal of Hazardous Materials</i> , 2012 , 203-204, 229-35	12.8	25
37	Impact of production parameters on physiochemical characteristics of wood ash for possible utilisation in cement-based materials. <i>Resources, Conservation and Recycling</i> , 2019 , 145, 230-240	11.9	24
36	Sewage sludge ash as resource for phosphorous and material for clay brick manufacturing. <i>Construction and Building Materials</i> , 2020 , 249, 118684	6.7	24

35	Comparison of two- and three-compartment cells for electrodialytic removal of heavy metals from contaminated material suspensions. <i>Journal of Hazardous Materials</i> , 2019 , 367, 68-76	12.8	24
34	Electrodialytic treatment for metal removal from sewage sludge ash from fluidized bed combustion. <i>Journal of Hazardous Materials</i> , 2010 , 176, 1073-8	12.8	22
33	Test of electrodialytic upgrading of MSWI APC residue in pilot scale: focus on reduced metal and salt leaching. <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 1049-1060	2.6	22
32	Electrokinetics applied in remediation of subsurface soil contaminated with chlorinated ethenes - A review. <i>Chemosphere</i> , 2019 , 235, 113-125	8.4	19
31	Characterization of sewage sludge ash and its effect on moisture physics of mortar. <i>Journal of Building Engineering</i> , 2019 , 21, 396-403	5.2	19
30	Electrodialytic extraction of Cr from water-washed MSWI fly ash by changing pH and redox conditions. <i>Waste Management</i> , 2018 , 71, 215-223	8.6	17
29	Effect of pulse current on acidification and removal of Cu, Cd, and As during suspended electrodialytic soil remediation. <i>Electrochimica Acta</i> , 2013 , 107, 187-193	6.7	17
28	Electrodialytic upgrading of three different municipal solid waste incineration residue types with focus on Cr, Pb, Zn, Mn, Mo, Sb, Se, V, Cl and SO ₄ . <i>Electrochimica Acta</i> , 2015 , 181, 167-178	6.7	17
27	Electrodialytic treatment of Greenlandic municipal solid waste incineration fly ash. <i>Waste Management</i> , 2018 , 80, 241-251	8.6	17
26	Electrodialytic removal of Cd from biomass combustion fly ash suspensions. <i>Journal of Hazardous Materials</i> , 2013 , 250-251, 212-9	12.8	16
25	Electrodialytic extraction of Cd and Cu from sediment from Sisimiut Harbour, Greenland. <i>Journal of Hazardous Materials</i> , 2007 , 140, 271-9	12.8	13
24	Electrodialytic remediation of municipal solid waste incineration fly ash as pre-treatment before geopolymerisation with coal fly ash. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125220	12.8	12
23	Improving the energy efficiency of an electrodialytic process to extract phosphorus from municipal solid waste digestate through different strategies. <i>Applied Energy</i> , 2019 , 247, 182-189	10.7	11
22	Screening of heavy metal containing waste types for use as raw material in Arctic clay-based bricks. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 32831-32843	5.1	11
21	The influence of electrodialytic remediation on dioxin (PCDD/PCDF) levels in fly ash and air pollution control residues. <i>Chemosphere</i> , 2016 , 148, 380-7	8.4	11
20	Electrodialytic remediation of fly ash from co-combustion of wood and straw. <i>Electrochimica Acta</i> , 2015 , 181, 208-216	6.7	10
19	Valorisation of ferric sewage sludge ashes: Potential as a phosphorus source. <i>Waste Management</i> , 2016 , 52, 193-201	8.6	10
18	Utilisation of Electrodealytically Treated Sewage Sludge Ash in Mortar. <i>Waste and Biomass Valorization</i> , 2018 , 9, 2503-2515	3.2	10

17	Electrodialytically treated MSWI fly ash use in clay bricks. <i>Construction and Building Materials</i> , 2020 , 254, 119286	6.7	9
16	Electrodialytic Remediation of Different Heavy Metal-Polluted Soils in Suspension. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	8
15	Wood ash used as partly sand and/or cement replacement in mortar. <i>International Journal of Sustainable Development and Planning</i> , 2016 , 11, 781-791	2	8
14	Leaching Properties of Estuarine Harbor Sediment before and after Electrodialytic Remediation. <i>Environmental Engineering Science</i> , 2007 , 24, 424-433	2	7
13	Testing new strategies to improve the recovery of phosphorus from anaerobically digested organic fraction of municipal solid waste. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 439-449	3.5	7
12	Electrodialytic Extraction of Heavy Metals from Greenlandic MSWI Fly Ash As a Function of Remediation Time and L/S ratio 2013 ,		6
11	Screening of untreated municipal solid waste incineration fly ash for use in cement-based materials: chemical and physical properties. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	4
10	Impact of electro-dialytic remediation of MSWI fly ash on hydration and mechanical properties of blends with Portland cement. <i>Construction and Building Materials</i> , 2021 , 309, 125193	6.7	4
9	Incorporation of Different Fly Ashes from MSWI as Substitute for Cement in Mortar: An Overview of the Suitability of Electrodialytic Pre-treatment 2016 , 225-247		4
8	Performances and behavior of a water-soluble and pH-sensitive polycarboxybetaine used for metal ion recovery. <i>Materials Today Communications</i> , 2019 , 20, 100575	2.5	2
7	Ultrafine particles in inhabited areas in the Arctic - From very low to high concentrations. <i>Atmospheric Pollution Research</i> , 2018 , 9, 299-308	4.5	2
6	Pulsed stirring for energy efficiency improvements during electro-dialytic extraction of As, Cd, Cr, Cu, Pb, and Zn from municipal solid waste incineration fly ash and air pollution control residue. <i>Separation and Purification Technology</i> , 2022 , 290, 120835	8.3	1
5	Effects of Chlorides and Sulphates on Heavy Metal Leaching from Mortar with Raw and Electro-dialytically Treated MSWI Fly Ash.. <i>Waste and Biomass Valorization</i> , 2022 , 13, 1-16	3.2	0
4	Graphite particles as third electrodes to enhance metal removal and energy saving in a stationary electro-dialytic soil system. <i>Electrochimica Acta</i> , 2022 , 407, 139896	6.7	0
3	Electrokinetic Remediation of Dredged Contaminated Sediments 2021 , 99-139		
2	Recovery of Phosphorous from Sewage Sludge Ash Prior to Utilization as Secondary Resource in Concrete and Bricks. <i>RILEM Bookseries</i> , 2021 , 305-315	0.5	
1	Screening dilute sources of rare earth elements for their circular recovery. <i>Journal of Geochemical Exploration</i> , 2022 , 238, 107000	3.8	