

Vladimiros G Papangelakis

List of Publications by Year in descending order

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38
papers

970
citations

687363

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434195

31
g-index

41
all docs

41
docs citations

41
times ranked

802
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of rare earth elements adsorbed on clay minerals: I. Desorption mechanism. Hydrometallurgy, 2012, 117-118, 71-78.	4.3	243
2	Recovery of rare earth elements adsorbed on clay minerals: II. Leaching with ammonium sulfate. Hydrometallurgy, 2013, 131-132, 158-166.	4.3	155
3	Cleaning of waste smelter slags and recovery of valuable metals by pressure oxidative leaching. Journal of Hazardous Materials, 2008, 152, 607-615.	12.4	79
4	High pressure oxidative acid leaching of nickel smelter slag: Characterization of feed and residue. Hydrometallurgy, 2009, 97, 185-193.	4.3	75
5	Mechanism and kinetics of gypsum anhydrite transformation in aqueous electrolyte solutions. Hydrometallurgy, 2011, 108, 122-129.	4.3	69
6	Hydrogen ion activities and species distribution in mixed metal sulfate aqueous systems. AIChE Journal, 1995, 41, 171-184.	3.6	39
7	Co-treatment of converter slag and pyrrhotite tailings via high pressure oxidative leaching. Journal of Hazardous Materials, 2011, 194, 399-406.	12.4	28
8	The ion-association-interaction approach as applied to aqueous H ₂ SO ₄ -Al ₂ (SO ₄) ₃ -MgSO ₄ solutions at 250 Å°C. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1998, 29, 1021-1030.	2.1	25
9	Why amorphous FeO-SiO ₂ slags do not acid-leach at high temperatures. Journal of Hazardous Materials, 2017, 321, 737-744.	12.4	24
10	Performance of Three Chemical Models on the High-Temperature Aqueous Al ₂ (SO ₄) ₃ ~MgSO ₄ ~H ₂ SO ₄ ~H ₂ O System. Industrial & Engineering Chemistry Research, 2005, 44, 2931-2941.	3.7	23
11	Energy requirements in the separation-regeneration step in forward osmosis using TMA~CO ₂ ~H ₂ O as the draw solution. Chemical Engineering Research and Design, 2018, 140, 166-174.	5.6	22
12	Redox potential measurement during pressure oxidation (POX) of a refractory gold ore. Canadian Metallurgical Quarterly, 2018, 57, 382-389.	1.2	16
13	Chelation-Assisted Ion-Exchange Leaching of Rare Earths from Clay Minerals. Metals, 2021, 11, 1265.	2.3	14
14	Strategies for calcium sulphate scale control in hydrometallurgical processes at 80Å°C. Hydrometallurgy, 2015, 157, 133-139.	4.3	13
15	Leaching characteristics of nickeliferous pyrrhotite tailings from the Sudbury, Ontario area. Canadian Metallurgical Quarterly, 2017, 56, 372-381.	1.2	11
16	Water recovery from inorganic solutions via natural freezing and melting. Journal of Water Process Engineering, 2019, 31, 100787.	5.6	11
17	Mathematical modelling of the transient behaviour of cstrs with reactive particulates: Part 1 ~ The population balance framework. Canadian Journal of Chemical Engineering, 1996, 74, 353-362.	1.7	10
18	Electrical Conductivity of Concentrated MgSO ₄ ~H ₂ SO ₄ Solutions up to 250 Å°C. Industrial & Engineering Chemistry Research, 2006, 45, 4757-4763.	3.7	10

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19	Chemical Modeling of the TMA-CO ₂ -H ₂ O System: A Draw Solution in Forward Osmosis for Process Water Recovery. Journal of Chemical & Engineering Data, 2017, 62, 1214-1222.	1.9	10
20	Forward Osmosis and Freeze Crystallization as Low Energy Water Recovery Processes for a Water-Sustainable Industry. Environmental Processes, 2018, 5, 59-75.	3.5	10
21	Temperature and Pressure Effects on the Separation Efficiency and Desorption Kinetics in the NH ₃ -CO ₂ -H ₂ O System. Industrial & Engineering Chemistry Research, 2019, 58, 12247-12252.	3.7	10
22	Optimum reactor configuration for prevention of gypsum scaling during continuous sulphuric acid neutralization. Hydrometallurgy, 2007, 89, 269-278.	4.3	8
23	Ferric Sulfate Leaching of Pyrrhotite Tailings between 30 to 55 Å°C. Minerals (Basel, Switzerland), 2015, 5, 801-814.	2.0	7
24	Hybrid forward osmosis - freeze concentration: A promising future in the desalination of effluents in cold regions. Journal of Water Process Engineering, 2022, 47, 102711.	5.6	6
25	Mathematical modelling of the transient behaviour of cstrs with reactive particulates: Part 2 - Application to pyrite pressure oxidation. Canadian Journal of Chemical Engineering, 1996, 74, 363-371.	1.7	5
26	High-Temperature Conductivity Measurements of Concentrated NaCl-H ₂ SO ₄ -H ₂ O Solutions up to 250 Å°C. Industrial & Engineering Chemistry Research, 2009, 48, 2781-2785.	3.7	5
27	Electrical Conductivity of Concentrated Al ₂ (SO ₄) ₃ -MgSO ₄ -H ₂ SO ₄ Aqueous Solutions up to 250 Å°C. Industrial & Engineering Chemistry Research, 2007, 46, 1598-1604.	3.7	4
28	Effects of thermal pre-treatment and ore dryness on the recovery of lanthanides from ion-adsorption clays. Hydrometallurgy, 2015, 158, 180-185.	4.3	4
29	Application of a selective dissolution protocol to quantify the terminal dissolution extents of pyrrhotite and pentlandite from pyrrhotite tailings. International Journal of Mineral Processing, 2017, 158, 27-34.	2.6	4
30	Redox potential measurements in the H ₂ SO ₄ -FeSO ₄ -Fe ₂ (SO ₄) ₃ -H ₂ O system at high temperature using an Ir electrode. Journal of Electroanalytical Chemistry, 2017, 799, 399-405.	3.8	4
31	Modeling of density and electrical conductivity of aqueous carbonated trimethylamine (TMA-CO ₂ -H ₂ O) solutions at 20-Å°C. Monatshefte für Chemie, 2018, 149, 453-460.	1.8	4
32	Temperature and Pressure Effects on the Separation Efficiency and Desorption Kinetics in the TMA-CO ₂ -H ₂ O System. Industrial & Engineering Chemistry Research, 2018, 57, 14767-14773.	3.7	4
33	Thermodynamic and experimental analysis of Ni-Co-Mn carbonate precursor synthesis for Li-rich cathode materials. Ionics, 2020, 26, 2747-2755.	2.4	4
34	Complete Genome Sequence of Acidithiobacillus ferridurans JAGS, Isolated from Acidic Mine Drainage. Microbiology Resource Announcements, 2020, 9, .	0.6	4
35	Kieserite Solubility in the Aqueous FeCl ₃ + MgCl ₂ + HCl System between (338) Tj ETQq1_1.0.784314 rgBT / O	1.9	2
36	Extraction of Water from Contaminated Effluents by Forward Osmosis. Minerals, Metals and Materials Series, 2018, , 1893-1902.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Correction to: Thermodynamic and experimental analysis of Ni-Co-Mn carbonate precursor synthesis for Li-rich cathode materials. Ionics, 2020, 26, 4213-4213.	2.4	1
38	Why amorphous FeO-SiO ₂ slags do not acid-leach at high temperatures. , 2017, 321, 737-737.		1