# Vladimiros G Papangelakis

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 38 papers | 970 citations | 687363 13 h-index | 434195 31 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 802 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Chelation-Assisted Ion-Exchange Leaching of Rare Earths from Clay Minerals. Metals, 2021, 11, 1265. | 2.3 | 14 |
| 3 | 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 |
| 4 | Thermodynamic and experimental analysis of Ni-Co-Mn carbonate precursor synthesis for Li-rich cathode materials. Ionics, 2020, 26, 2747-2755. | 2.4 | 4 |
| 5 | Complete Genome Sequence of Acidithiobacillus ferridurans JAGS, Isolated from Acidic Mine Drainage. Microbiology Resource Announcements, 2020, 9, . | 0.6 | 4 |
| 6 | Temperature and Pressure Effects on the Separation Efficiency and Desorption Kinetics in the NH<sub>3</sub>â€“CO<sub>2</sub>â€“H<sub>2</sub>O System. Industrial & Engineering Chemistry Research, 2019, 58, 12247-12252. | 3.7 | 10 |
| 7 | Water recovery from inorganic solutions via natural freezing and melting. Journal of Water Process Engineering, 2019, 31, 100787. | 5.6 | 11 |
| 8 | Redox potential measurement during pressure oxidation (POX) of a refractory gold ore. Canadian Metallurgical Quarterly, 2018, 57, 382-389. | 1.2 | 16 |
| 9 | Modeling of density and electrical conductivity of aqueous carbonated trimethylamine (TMAâ€“CO2â€“H2O) solutions at 20ÂÂ°C. Monatshefte FÃ¼r Chemie, 2018, 149, 453-460. | 1.8 | 4 |
| 10 | Temperature and Pressure Effects on the Separation Efficiency and Desorption Kinetics in the TMA-CO2-H2O System. Industrial & Engineering Chemistry Research, 2018, 57, 14767-14773. | 3.7 | 4 |
| 11 | Energy requirements in the separation-regeneration step in forward osmosis using TMAâ€“CO2â€“H2O as the draw solution. Chemical Engineering Research and Design, 2018, 140, 166-174. | 5.6 | 22 |
| 12 | Extraction of Water from Contaminated Effluents by Forward Osmosis. Minerals, Metals and Materials Series, 2018, , 1893-1902. | 0.4 | 2 |
| 13 | 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 |
| 14 | Chemical Modeling of the TMAâ€“CO2â€“H2O System: A Draw Solution in Forward Osmosis for Process Water Recovery. Journal of Chemical & Engineering Data, 2017, 62, 1214-1222. | 1.9 | 10 |
| 15 | 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 |
| 16 | Leaching characteristics of nickeliferous pyrrhotite tailings from the Sudbury, Ontario area. Canadian Metallurgical Quarterly, 2017, 56, 372-381. | 1.2 | 11 |
| 17 | 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 |
| 18 | Why amorphous FeO-SiO2 slags do not acid-leach at high temperatures. Journal of Hazardous Materials, 2017, 321, 737-744. | 12.4 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Why amorphous FeO-SiO2 slags do not acid-leach at high temperatures. , 2017, 321, 737-737. | | 1 |
| 20 | 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 |
| 21 | Strategies for calcium sulphate scale control in hydrometallurgical processes at 80Â°C. Hydrometallurgy, 2015, 157, 133-139. | 4.3 | 13 |
| 22 | Ferric Sulfate Leaching of Pyrrhotite Tailings between 30 to 55 Â°C. Minerals (Basel, Switzerland), 2015, 5, 801-814. | 2.0 | 7 |
| 23 | Recovery of rare earth elements adsorbed on clay minerals: II. Leaching with ammonium sulfate. Hydrometallurgy, 2013, 131-132, 158-166. | 4.3 | 155 |
| 24 | Recovery of rare earth elements adsorbed on clay minerals: I. Desorption mechanism. Hydrometallurgy, 2012, 117-118, 71-78. | 4.3 | 243 |
| 25 | Co-treatment of converter slag and pyrrhotite tailings via high pressure oxidative leaching. Journal of Hazardous Materials, 2011, 194, 399-406. | 12.4 | 28 |
| 26 | Mechanism and kinetics of gypsumâ€“anhydrite transformation in aqueous electrolyte solutions. Hydrometallurgy, 2011, 108, 122-129. | 4.3 | 69 |
| 27 | High pressure oxidative acid leaching of nickel smelter slag: Characterization of feed and residue. Hydrometallurgy, 2009, 97, 185-193. | 4.3 | 75 |
| 28 | Kieserite Solubility in the Aqueous FeCl<sub>3</sub> + MgCl<sub>2</sub> + HCl System between (338) Tj ETQq0 0 0 rgBT /Overlock 1 | 1.9 | 2 |
| 29 | High-Temperature Conductivity Measurements of Concentrated NaClâ^'H2SO4â^'H2O Solutions up to 250 Â°C. Industrial & Engineering Chemistry Research, 2009, 48, 2781-2785. | 3.7 | 5 |
| 30 | 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 |
| 31 | Electrical Conductivity of Concentrated Al2(SO4)3â^'MgSO4â^'H2SO4 Aqueous Solutions up to 250 Â°C. Industrial & Engineering Chemistry Research, 2007, 46, 1598-1604. | 3.7 | 4 |
| 32 | Optimum reactor configuration for prevention of gypsum scaling during continuous sulphuric acid neutralization. Hydrometallurgy, 2007, 89, 269-278. | 4.3 | 8 |
| 33 | Electrical Conductivity of Concentrated MgSO4â^'H2SO4 Solutions up to 250 Â°C. Industrial & Engineering Chemistry Research, 2006, 45, 4757-4763. | 3.7 | 10 |
| 34 | Performance of Three Chemical Models on the High-Temperature Aqueous Al2(SO4)3â^'MgSO4â^'H2SO4â^'H2O System. Industrial & Engineering Chemistry Research, 2005, 44, 2931-2941. | 3.7 | 23 |
| 35 | The ion-association-interaction approach as applied to aqueous H2SO4-Al2(SO4)3-MgSO4 solutions at 250 Â°C. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1998, 29, 1021-1030. | 2.1 | 25 |
| 36 | Mathematical modelling of the transient behaviour of cstrs with reactive particulates: Part 1 â€" The population balance framework. Canadian Journal of Chemical Engineering, 1996, 74, 353-362. | 1.7 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Mathematical modelling of the transient behaviour of cstrs with reactive particulates: Part 2 â€" Application to pyrite pressure oxidation. Canadian Journal of Chemical Engineering, 1996, 74, 363-371. | 1.7 | 5 |
| 38 | Hydrogen ion activities and species distribution in mixed metal sulfate aqueous systems. AICHE Journal, 1995, 41, 171-184. | 3.6 | 39 |