Yung Ngothai

List of Publications by Year
in descending order

42 papers	1,446 citations	331670 21 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	1669 citing authors

#	Article	IF	Citations
1	Mechanism and kinetics of pseudomorphic mineral replacement reactions: A case study of the replacement of pentlandite by violarite. Geochimica Et Cosmochimica Acta, 2009, 73, 1945-1969.	3.9	193
2	Improving the low-temperature properties of biodiesel: Methods and consequences. Renewable Energy, 2010, 35, 1145-1151.	8.9	127
3	Textural and compositional complexities resulting from coupled dissolutionâ€“reprecipitation reactions in geomaterials. Earth-Science Reviews, 2015, 150, 628-651.	9.1	115
4	Speciation of nickel (II) chloride complexes in hydrothermal fluids: In situ XAS study. Chemical Geology, 2012, 334, 345-363.	3.3	69
5	Fabrication and properties of porous scaffold of magnesium phosphate/polycaprolactone biocomposite for bone tissue engineering. Applied Surface Science, 2012, 258, 7589-7595.	6.1	67
6	Fabrication and properties of porous scaffold of zein/PCL biocomposite for bone tissue engineering. Composites Part B: Engineering, 2012, 43, 2192-2197.	12.0	67
7	Three-Dimensional Ordered Arrays of Zeolite Nanocrystals with Uniform Size and Orientation by a Pseudomorphic Coupled Dissolutionâ^'Reprecipitation Replacement Route. Crystal Growth and Design, 2009, 9, 4902-4906.	3.0	64
8	Novel Route To Synthesize Complex Metal Sulfides: Hydrothermal Coupled Dissolutionâ^'Reprecipitation Replacement Reactions. Chemistry of Materials, 2008, 20, 2809-2817.	6.7	63
9	Probing ore deposits formation: New insights and challenges from synchrotron and neutron studies. Radiation Physics and Chemistry, 2010, 79, 151-161.	2.8	58
10	Dissolution-reprecipitation vs. solid-state diffusion: Mechanism of mineral transformations in sylvanite, (AuAg)2Te4, under hydrothermal conditions. American Mineralogist, 2013, 98, 19-32.	1.9	49
11	Scale-up and economic analysis of biodiesel production from recycled grease trap waste. Applied Energy, 2018, 229, 142-150.	10.1	48
12	The replacement of chalcopyrite by bornite under hydrothermal conditions. American Mineralogist, 2014, 99, 2389-2397.	1.9	44
13	A low-temperature kinetic study of the exsolution of pentlandite from the monosulfide solid solution using a refined Avrami method. Geochimica Et Cosmochimica Acta, 2005, 69, 415-425.	3.9	42
14	Experimental study of the formation of chalcopyrite and bornite via the sulfidation of hematite: Mineral replacements with a large volume increase. American Mineralogist, 2014, 99, 343-354.	1.9	39
15	Speciation and thermodynamic properties of manganese(II) chloride complexes in hydrothermal fluids: In situ XAS study. Geochimica Et Cosmochimica Acta, 2014, 129, 77-95.	3.9	33
16	Ore Petrography Using Megapixel X-Ray Imaging: Rapid Insights into Element Distribution and Mobilization in Complex Pt and U-Ge-Cu Ores. Economic Geology, 2016, 111, 487-501.	3.8	32
17	The kinetics of the Î± â†' Î² transition in synthetic nickel monosulfide. American Mineralogist, 2006, 91, 171-181.	1.9	24
18	Fluid-Enhanced Coarsening of Mineral Microstructures in Hydrothermally Synthesized Borniteâ€“Digenite Solid Solution. ACS Earth and Space Chemistry, 2017, 1, 465-474.	2.7	23

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19	Uranium scavenging during mineral replacement reactions. American Mineralogist, 2015, 100, 1728-1735.	1.9	22
20	Bubbleâ€“surface interactions with graphite in the presence of adsorbed carboxymethylcellulose. Soft Matter, 2015, 11, 587-599.	2.7	22
21	The role of pyrrhotite (Fe7S8) and the sample texture in the hydrothermal transformation of pentlandite ((Fe,Ni)9S8) to violarite ((Ni,Fe)3S4). Reaction Kinetics and Catalysis Letters, 2007, 92, 257-266.	0.6	21
22	Effect of sodium chloride on the formation and stability of nâ€dodecane nanoemulsions by the PIT method. Asia-Pacific Journal of Chemical Engineering, 2010, 5, 570-576.	1.5	20
23	Phase evolution and kinetics of the oxidation of monosulfide solid solution under isothermal conditions. Thermochimica Acta, 2005, 427, 13-25.	2.7	18
24	Premixed, injectable PLA-modified calcium deficient apatite biocement (cd-AB) with washout resistance. Colloids and Surfaces B: Biointerfaces, 2012, 92, 113-120.	5.0	18
25	Drying oil-in-water Pickering emulsions to make redispersible powders. Advanced Powder Technology, 2017, 28, 2940-2946.	4.1	18
26	Lipase Production by Solid-State Cultivation of Thermomyces Lanuginosus on By-Products from Cold-Pressing Oil Production. Processes, 2019, 7, 465.	2.8	18
27	The addition of alkoxy side-chains to biodiesel and the impact on flow properties. Fuel, 2010, 89, 3517-3522.	6.4	17
28	The Carbonatation of Anhydrite: Kinetics and Reaction Pathways. ACS Earth and Space Chemistry, 2017, 1, 89-100.	2.7	15
29	Effect of cation vacancy and crystal superstructure on thermodynamics of iron monosulfides. Journal of Sulfur Chemistry, 2006, 27, 271-282.	2.0	13
30	Thermodynamic Modeling of Poorly Complexing Metals in Concentrated Electrolyte Solutions: An X-Ray Absorption and UV-Vis Spectroscopic Study of Ni(II) in the NiCl2-MgCl2-H2O System. PLoS ONE, 2015, 10, e0119805.	2.5	13
31	A thermosyphon-driven hydrothermal flow-through cell forin situand time-resolved neutron diffraction studies. Journal of Applied Crystallography, 2010, 43, 511-519.	4.5	12
32	Effect of Solvent Activity on Solute Association: The Formation of Aqueous Nickel(II) Chloride Complexes Studied by UVâ€“Vis and EXAFS Spectroscopy. Journal of Solution Chemistry, 2015, 44, 1320-1338.	1.2	9
33	Production of Biodiesel from Recycled Grease Trap Waste: A Review. Industrial & Engineering Chemistry Research, 2021, 60, 16547-16560.	3.7	9
34	The mechanism and kinetics of Â-NiS oxidation in the temperature range 670-700 ÂC. American Mineralogist, 2006, 91, 537-543.	1.9	8
35	Butoxylation of Butyl Biodiesel: Reaction Conditions and Cloud Point Impact. Energy & Fuels, 2009, 23, 3798-3803.	5.1	8
36	Biodiesel Production from Recycled Grease Trap Waste: A Case Study in South Australia. Partâ€…1: The Preâ€Treatment of High Free Fatty Acid Feedstock. ChemistrySelect, 2018, 3, 2509-2514.	1.5	7

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37	Single-pass flow-through reaction cell for high-temperature and high-pressurein situneutron diffraction studies of hydrothermal crystallization processes. Journal of Applied Crystallography, 2012, 45, 166-173.	4.5	6
38	Biodiesel Production from Recycled Grease Trap Waste: A Case Study in South Australia. Partâ€…2: Optimization of The Transesterification Process. ChemistrySelect, 2018, 3, 3626-3631.	1.5	6
39	Implementation and analysis of a Chemical Engineering Fundamentals Concept Inventory (CEFCI). Education for Chemical Engineers, 2012, 7, e32-e40.	4.8	5
40	A kinetic model of the â€˜Fe2+ oxidationâ€™ process for colour enhancement in natural marble. Materials Chemistry and Physics, 2004, 86, 51-58.	4.0	3
41	Biomaterials: biological production of fuels and chemicals. Green Processing and Synthesis, 2017, 6, 251-252.	3.4	1
42	Investigation of potato starch and sonicated RAS as alternative carbon sources for biological nitrogen removal. International Journal of Environment and Waste Management, 2009, 3, 226.	0.3	0