

Yung Ngothai

List of Publications by Year in descending order

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42
papers

1,446
citations

331670

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docs citations

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times ranked

1669
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of Biodiesel from Recycled Grease Trap Waste: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 16547-16560.	3.7	9
2	Lipase Production by Solid-State Cultivation of <i>Thermomyces Lanuginosus</i> on By-Products from Cold-Pressing Oil Production. <i>Processes</i> , 2019, 7, 465.	2.8	18
3	Biodiesel Production from Recycled Grease Trap Waste: A Case Study in South Australia. Part 1: The Pre-treatment of High Free Fatty Acid Feedstock. <i>ChemistrySelect</i> , 2018, 3, 2509-2514.	1.5	7
4	Biodiesel Production from Recycled Grease Trap Waste: A Case Study in South Australia. Part 2: Optimization of The Transesterification Process. <i>ChemistrySelect</i> , 2018, 3, 3626-3631.	1.5	6
5	Scale-up and economic analysis of biodiesel production from recycled grease trap waste. <i>Applied Energy</i> , 2018, 229, 142-150.	10.1	48
6	The Carbonatation of Anhydrite: Kinetics and Reaction Pathways. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 89-100.	2.7	15
7	Biomaterials: biological production of fuels and chemicals. <i>Green Processing and Synthesis</i> , 2017, 6, 251-252.	3.4	1
8	Fluid-Enhanced Coarsening of Mineral Microstructures in Hydrothermally Synthesized Bornite-Digenite Solid Solution. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 465-474.	2.7	23
9	Drying oil-in-water Pickering emulsions to make redispersible powders. <i>Advanced Powder Technology</i> , 2017, 28, 2940-2946.	4.1	18
10	Ore Petrography Using Megapixel X-Ray Imaging: Rapid Insights into Element Distribution and Mobilization in Complex Pt and U-Ge-Cu Ores. <i>Economic Geology</i> , 2016, 111, 487-501.	3.8	32
11	Effect of Solvent Activity on Solute Association: The Formation of Aqueous Nickel(II) Chloride Complexes Studied by UV-Vis and EXAFS Spectroscopy. <i>Journal of Solution Chemistry</i> , 2015, 44, 1320-1338.	1.2	9
12	Textural and compositional complexities resulting from coupled dissolution-precipitation reactions in geomaterials. <i>Earth-Science Reviews</i> , 2015, 150, 628-651.	9.1	115
13	Uranium scavenging during mineral replacement reactions. <i>American Mineralogist</i> , 2015, 100, 1728-1735.	1.9	22
14	Bubble-surface interactions with graphite in the presence of adsorbed carboxymethylcellulose. <i>Soft Matter</i> , 2015, 11, 587-599.	2.7	22
15	Thermodynamic Modeling of Poorly Complexing Metals in Concentrated Electrolyte Solutions: An X-Ray Absorption and UV-Vis Spectroscopic Study of Ni(II) in the NiCl ₂ -MgCl ₂ -H ₂ O System. <i>PLoS ONE</i> , 2015, 10, e0119805.	2.5	13
16	The replacement of chalcopyrite by bornite under hydrothermal conditions. <i>American Mineralogist</i> , 2014, 99, 2389-2397.	1.9	44
17	Experimental study of the formation of chalcopyrite and bornite via the sulfidation of hematite: Mineral replacements with a large volume increase. <i>American Mineralogist</i> , 2014, 99, 343-354.	1.9	39
18	Speciation and thermodynamic properties of manganese(II) chloride complexes in hydrothermal fluids: In situ XAS study. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 129, 77-95.	3.9	33

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19	Dissolution-precipitation vs. solid-state diffusion: Mechanism of mineral transformations in sylvanite, (AuAg) ₂ Te ₄ , under hydrothermal conditions. <i>American Mineralogist</i> , 2013, 98, 19-32.	1.9	49
20	Speciation of nickel (II) chloride complexes in hydrothermal fluids: In situ XAS study. <i>Chemical Geology</i> , 2012, 334, 345-363.	3.3	69
21	Fabrication and properties of porous scaffold of magnesium phosphate/polycaprolactone biocomposite for bone tissue engineering. <i>Applied Surface Science</i> , 2012, 258, 7589-7595.	6.1	67
22	Premixed, injectable PLA-modified calcium deficient apatite bio cement (cd-AB) with washout resistance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 113-120.	5.0	18
23	Fabrication and properties of porous scaffold of zein/PCL biocomposite for bone tissue engineering. <i>Composites Part B: Engineering</i> , 2012, 43, 2192-2197.	12.0	67
24	Implementation and analysis of a Chemical Engineering Fundamentals Concept Inventory (CEFCI). <i>Education for Chemical Engineers</i> , 2012, 7, e32-e40.	4.8	5
25	Single-pass flow-through reaction cell for high-temperature and high-pressure in situ neutron diffraction studies of hydrothermal crystallization processes. <i>Journal of Applied Crystallography</i> , 2012, 45, 166-173.	4.5	6
26	Effect of sodium chloride on the formation and stability of n-dodecane nanoemulsions by the PIT method. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2010, 5, 570-576.	1.5	20
27	Probing ore deposits formation: New insights and challenges from synchrotron and neutron studies. <i>Radiation Physics and Chemistry</i> , 2010, 79, 151-161.	2.8	58
28	Improving the low-temperature properties of biodiesel: Methods and consequences. <i>Renewable Energy</i> , 2010, 35, 1145-1151.	8.9	127
29	The addition of alkoxy side-chains to biodiesel and the impact on flow properties. <i>Fuel</i> , 2010, 89, 3517-3522.	6.4	17
30	A thermosyphon-driven hydrothermal flow-through cell for in situ and time-resolved neutron diffraction studies. <i>Journal of Applied Crystallography</i> , 2010, 43, 511-519.	4.5	12
31	Mechanism and kinetics of pseudomorphic mineral replacement reactions: A case study of the replacement of pentlandite by violarite. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1945-1969.	3.9	193
32	Three-Dimensional Ordered Arrays of Zeolite Nanocrystals with Uniform Size and Orientation by a Pseudomorphic Coupled Dissolution-Reprecipitation Replacement Route. <i>Crystal Growth and Design</i> , 2009, 9, 4902-4906.	3.0	64
33	Butoxylation of Butyl Biodiesel: Reaction Conditions and Cloud Point Impact. <i>Energy & Fuels</i> , 2009, 23, 3798-3803.	5.1	8
34	Investigation of potato starch and sonicated RAS as alternative carbon sources for biological nitrogen removal. <i>International Journal of Environment and Waste Management</i> , 2009, 3, 226.	0.3	0
35	Novel Route To Synthesize Complex Metal Sulfides: Hydrothermal Coupled Dissolution-Reprecipitation Replacement Reactions. <i>Chemistry of Materials</i> , 2008, 20, 2809-2817.	6.7	63
36	The role of pyrrhotite (Fe ₇ S ₈) and the sample texture in the hydrothermal transformation of pentlandite ((Fe,Ni) ₉ S ₈) to violarite ((Ni,Fe) ₃ S ₄). <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 92, 257-266.	0.6	21

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37	Effect of cation vacancy and crystal superstructure on thermodynamics of iron monosulfides. <i>Journal of Sulfur Chemistry</i> , 2006, 27, 271-282.	2.0	13
38	The mechanism and kinetics of \hat{A} -NiS oxidation in the temperature range 670-700 \hat{A} C. <i>American Mineralogist</i> , 2006, 91, 537-543.	1.9	8
39	The kinetics of the $\hat{I}\pm \hat{a}^{\dagger} \hat{I}^2$ transition in synthetic nickel monosulfide. <i>American Mineralogist</i> , 2006, 91, 171-181.	1.9	24
40	Phase evolution and kinetics of the oxidation of monosulfide solid solution under isothermal conditions. <i>Thermochimica Acta</i> , 2005, 427, 13-25.	2.7	18
41	A low-temperature kinetic study of the exsolution of pentlandite from the monosulfide solid solution using a refined Avrami method. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 415-425.	3.9	42
42	A kinetic model of the $\hat{a}\text{€}^{\sim}\text{Fe}^{2+}$ oxidisation $\hat{a}\text{€}^{\sim}$ process for colour enhancement in natural marble. <i>Materials Chemistry and Physics</i> , 2004, 86, 51-58.	4.0	3