

Ke Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

519
citations

933447

10
h-index

752698

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20
docs citations

20
times ranked

666
citing authors

#	ARTICLE	IF	CITATIONS
1	Pentavalent Uranium Enriched Mineral Surface under Electrochemically Controlled Reducing Environments. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1204-1212.	2.7	5
2	Solution and Interface Structure and Dynamics in Geochemistry: Gateway to Link Elementary Processes to Mineral Nucleation and Growth. <i>Crystal Growth and Design</i> , 2022, 22, 853-870.	3.0	8
3	Numerical Study of Mineral Nucleation and Growth on a Substrate. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1655-1665.	2.7	6
4	Density Functional Tight-Binding Simulations Reveal the Presence of Surface Defects on the Quartz (101)â€™Water Interface. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16246-16255.	3.1	4
5	Replacement of Calcium Carbonate Polymorphs by Cerussite. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2433-2441.	2.7	9
6	Opposing Effects of Impurity Ion Sr ²⁺ on the Heterogeneous Nucleation and Growth of Barite (BaSO ₄). <i>Crystal Growth and Design</i> , 2021, 21, 5828-5839.	3.0	17
7	Studies of Mineral Nucleation and Growth Across Multiple Scales: Review of the Current State of Research Using the Example of Barite (BaSO ₄). <i>ACS Earth and Space Chemistry</i> , 2021, 5, 3338-3361.	2.7	15
8	Effect of Anions on the Changes in the Structure and Adsorption Mechanism of Zirconium Species at the Muscovite (001)â€™Water Interface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16699-16710.	3.1	7
9	Mapping Three-dimensional Dissolution Rates of Calcite Microcrystals: Effects of Surface Curvature and Dissolved Metal Ions. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 833-843.	2.7	40
10	Oxidation induced strain and defects in magnetite crystals. <i>Nature Communications</i> , 2019, 10, 703.	12.8	40
11	Templating Growth of a Pseudomorphic Lepidocrocite Microshell at the Calciteâ€™Water Interface. <i>Chemistry of Materials</i> , 2018, 30, 700-707.	6.7	4
12	Pb ²⁺ â€™Calcite Interactions under Far-from-Equilibrium Conditions: Formation of Micropylamids and Pseudomorphic Growth of Cerussite. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2238-2247.	3.1	23
13	Redox reactions of selenium as catalyzed by magnetite: Lessons learned from using electrochemistry and spectroscopic methods. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 199, 304-323.	3.9	27
14	An ab initio study of the adsorption of Eu ³⁺ , Pu ³⁺ , Am ³⁺ , and Cm ³⁺ hydroxide complexes on hematite (001) surface: Role of magnetism on adsorption. <i>Surface Science</i> , 2017, 664, 120-128.	1.9	10
15	Replacement of Calcite (CaCO ₃) by Cerussite (PbCO ₃). <i>Environmental Science & Technology</i> , 2016, 50, 12984-12991.	10.0	51
16	Thermodynamic mixing properties of the UO ₂ â€™HfO ₂ solid solution: Density functional theory and Monte Carlo simulations. <i>Journal of Nuclear Materials</i> , 2015, 458, 296-303.	2.7	3
17	Uranium reduction on magnetite: Probing for pentavalent uranium using electrochemical methods. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 156, 194-206.	3.9	52
18	Electrochemical and Spectroscopic Evidence on the One-Electron Reduction of U(VI) to U(V) on Magnetite. <i>Environmental Science & Technology</i> , 2015, 49, 6206-6213.	10.0	96

#	ARTICLE	IF	CITATIONS
19	A self-consistent model describing the thermodynamics of Eu(III) adsorption onto hematite. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 122, 430-447.	3.9	52
20	The energetics and kinetics of uranyl reduction on pyrite, hematite, and magnetite surfaces: A powder microelectrode study. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 118, 56-71.	3.9	50