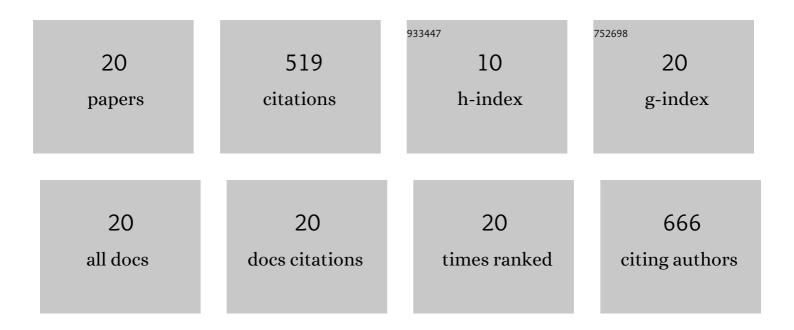
## Ke Yuan

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7451351/publications.pdf Version: 2024-02-01



KE VIIAN

#	Article	IF	CITATIONS
1	Pentavalent Uranium Enriched Mineral Surface under Electrochemically Controlled Reducing Environments. ACS Earth and Space Chemistry, 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. Crystal Growth and Design, 2022, 22, 853-870.	3.0	8
3	Numerical Study of Mineral Nucleation and Growth on a Substrate. ACS Earth and Space Chemistry, 2022, 6, 1655-1665.	2.7	6
4	Density Functional Tight-Binding Simulations Reveal the Presence of Surface Defects on the Quartz (101)–Water Interface. Journal of Physical Chemistry C, 2021, 125, 16246-16255.	3.1	4
5	Replacement of Calcium Carbonate Polymorphs by Cerussite. ACS Earth and Space Chemistry, 2021, 5, 2433-2441.	2.7	9
6	Opposing Effects of Impurity Ion Sr <sup>2+</sup> on the Heterogeneous Nucleation and Growth of Barite (BaSO <sub>4</sub> ). Crystal Growth and Design, 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 <sub>4</sub> ). ACS Earth and Space Chemistry, 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)–Water Interface. Journal of Physical Chemistry C, 2019, 123, 16699-16710.	3.1	7
9	Mapping Three-dimensional Dissolution Rates of Calcite Microcrystals: Effects of Surface Curvature and Dissolved Metal Ions. ACS Earth and Space Chemistry, 2019, 3, 833-843.	2.7	40
10	Oxidation induced strain and defects in magnetite crystals. Nature Communications, 2019, 10, 703.	12.8	40
11	Templating Growth of a Pseudomorphic Lepidocrocite Microshell at the Calcite–Water Interface. Chemistry of Materials, 2018, 30, 700-707.	6.7	4
12	Pb <sup>2+</sup> –Calcite Interactions under Far-from-Equilibrium Conditions: Formation of Micropyramids and Pseudomorphic Growth of Cerussite. Journal of Physical Chemistry C, 2018, 122, 2238-2247.	3.1	23
13	Redox reactions of selenium as catalyzed by magnetite: Lessons learned from using electrochemistry and spectroscopic methods. Geochimica Et Cosmochimica Acta, 2017, 199, 304-323.	3.9	27
14	An ab initio study of the adsorption of Eu3+, Pu3+, Am3+, and Cm3+ hydroxide complexes on hematite (001) surface: Role of magnetism on adsorption. Surface Science, 2017, 664, 120-128.	1.9	10
15	Replacement of Calcite (CaCO <sub>3</sub> ) by Cerussite (PbCO <sub>3</sub> ). Environmental Science & Technology, 2016, 50, 12984-12991.	10.0	51
16	Thermodynamic mixing properties of the UO2–HfO2 solid solution: Density functional theory and Monte Carlo simulations. Journal of Nuclear Materials, 2015, 458, 296-303.	2.7	3
17	Uranium reduction on magnetite: Probing for pentavalent uranium using electrochemical methods. Geochimica Et Cosmochimica Acta, 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. Environmental Science & Technology, 2015, 49, 6206-6213.	10.0	96

#	Article	IF	CITATIONS
19	A self-consistent model describing the thermodynamics of Eu(III) adsorption onto hematite. Geochimica Et Cosmochimica Acta, 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. Geochimica Et Cosmochimica Acta, 2013, 118, 56-71.	3.9	50