

Yong Tao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

315
citations

840585

11
h-index

940416

16
g-index

17
all docs

17
docs citations

17
times ranked

162
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehending the occupying preference of manganese substitution in crystalline cement clinker phases: A theoretical study. <i>Cement and Concrete Research</i> , 2018, 109, 19-29.	4.6	59
2	Highly dispersed PtPd on graphitic nanofibers and its heavy d- π effect. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118080.	10.8	46
3	Understanding the zinc incorporation into silicate clinker during waste co-disposal of cement kiln: A density functional theory study. <i>Journal of Cleaner Production</i> , 2019, 232, 329-336.	4.6	33
4	Fundamental principles that govern the copper doping behavior in complex clinker system. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2527-2536.	1.9	29
5	Enhanced Sulfate Resistance: The Importance of Iron in Aluminate Hydrates. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6792-6801.	3.2	22
6	Predicting Hydration Reactivity of Cu-Doped Clinker Crystals by Capturing Electronic Structure Modification. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6412-6421.	3.2	20
7	Intrinsic reactivity and dissolution characteristics of tetracalcium aluminoferrite. <i>Cement and Concrete Research</i> , 2021, 146, 106485.	4.6	18
8	Atomic occupancy mechanism in brownmillerite $\text{Ca}_2\text{FeAlO}_5$ from a thermodynamic perspective. <i>Journal of the American Ceramic Society</i> , 2020, 103, 635-644.	1.9	15
9	Understanding the atomic and electronic origin of mechanical property in thaumasite and ettringite mineral crystals. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5177-5187.	1.9	14
10	The impact of Fe dosage on the ettringite formation during high ferrite cement hydration. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3652-3664.	1.9	12
11	Anomalous Dielectric Nonlinearity in Niobium and Aluminum Co-doped SrTiO_3 Ceramics with Giant Permittivity and Low Dielectric Loss. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18142-18149.	1.5	11
12	Atomistic thermodynamics and kinetics of dicalcium silicate dissolution. <i>Cement and Concrete Research</i> , 2022, 157, 106833.	4.6	11
13	Atomic-level insights into the influence of zinc incorporation on clinker hydration reactivity. <i>Open Ceramics</i> , 2020, 1, 100004.	1.0	6
14	Giant permittivity in Nb-doped SrTiO_3 single crystal: Compositional gradient and local structure. <i>Ceramics International</i> , 2022, 48, 29572-29579.	2.3	6
15	Screening Out Reactivity-Promoting Candidates for Ca_2SiO_4 Carbonation by First-Principles Calculations. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	5
16	Adsorption behavior of carbonic acid on Ca_2SiO_4 dicalcium silicate surface from molecular simulations. <i>Journal of the American Ceramic Society</i> , 0, , .	1.9	5
17	Chloride Adsorption Capacity of Monocarbonate: The Importance of Iron Doping. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5621-5632.	3.2	3