

# Yong Tao

## List of Publications by Year in descending order

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citations

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docs citations

17  
times ranked

162  
citing authors

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