David W Gardner

List of Publications by Year
in descending order

10 papers	115 citations	1307594 7 h-index	1474206 9 g-index
10 all docs	10 docs citations	10 times ranked	130 citing authors

#	Article	IF	Citations
1	Silicate Bond Characteristics in Calciumâ€“Silicateâ€“Hydrates Determined by High Pressure Raman Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 18335-18345.	3.1	19
2	Plastic deformation mechanism of calcium-silicate hydrates determined by deviatoric-stress Raman spectroscopy. Cement and Concrete Research, 2021, 146, 106476.	11.0	19
3	Transistorâ€Based Workâ€Function Measurement of Metalâ€“Organic Frameworks for Ultraâ€Lowâ€Power, Rationally Designed Chemical Sensors. Chemistry - A European Journal, 2019, 25, 13176-13183.	3.3	18
4	Amine-functionalized metal-organic framework ZIF-8 toward colorimetric CO2 sensing in indoor air environment. Sensors and Actuators B: Chemical, 2021, 344, 130313.	7.8	15
5	Casting Nanoporous Platinum in Metalâ€“Organic Frameworks. Advanced Materials, 2019, 31, e1807553.	21.0	13
6	Sequestration of solid carbon in concrete: A large-scale enabler of lower-carbon intensity hydrogen from natural gas. MRS Bulletin, 2021, 46, 680-686.	3.5	10
7	The nanomechanical properties of non-crosslinked calcium aluminosilicate hydrate: The influences of tetrahedral Al and curing age. Cement and Concrete Research, 2022, 159, 106900.	11.0	10
8	Atomic-Scale Electronic Characterization of Defects in Silicon Carbide Nanowires by Electron Energy-Loss Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 12047-12051.	3.1	6
9	Improved Hydrogen Sensitivity and Selectivity in PdO with Metal-Organic Framework Membrane. Journal of the Electrochemical Society, 2020, 167, 147503.	2.9	5
10	Scalable Ultra Low-Power Chemical Sensing with Metal-Organic Frameworks. , 2019, , .		0