

# David W Gardner

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2084644/publications.pdf>

Version: 2024-02-01

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