

Howard A Dobbs

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5675910/publications.pdf>

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11
papers

1,123
citations

1040056

9
h-index

1281871

11
g-index

11
all docs

11
docs citations

11
times ranked

1818
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between aqueous chemistry and composition, structure, and solubility of sodium aluminosilicate hydrates. Journal of the American Ceramic Society, 2020, 103, 2160-2172.	3.8	9
2	Electrochemically Enhanced Dissolution of Silica and Alumina in Alkaline Environments. Langmuir, 2019, 35, 15651-15660.	3.5	5
3	Time-Dependent Physicochemical Changes of Carbonate Surfaces from SmartWater (Diluted Seawater) Flooding Processes for Improved Oil Recovery. Langmuir, 2019, 35, 41-50.	3.5	19
4	Surface chemical heterogeneity modulates silica surface hydration. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2890-2895.	7.1	105
5	Ultra-smooth, Chemically Functional Silica Surfaces for Surface Interaction Measurements and Optical/Interferometry-based Techniques. Advanced Engineering Materials, 2018, 20, 1700630.	3.5	6
6	Role of Electrochemical Surface Potential and Irradiation on Garnet-Type Almandine's Dissolution Kinetics. Journal of Physical Chemistry C, 2018, 122, 17268-17277.	3.1	15
7	Tuning underwater adhesion with cation- π interactions. Nature Chemistry, 2017, 9, 473-479.	13.6	239
8	Long range electrostatic forces in ionic liquids. Chemical Communications, 2017, 53, 1214-1224.	4.1	285
9	Effects of Salinity on Oil Recovery (the "Dilution Effect"): Experimental and Theoretical Studies of Crude Oil/Brine/Carbonate Surface Restructuring and Associated Physicochemical Interactions. Energy & Fuels, 2017, 31, 8925-8941.	5.1	69
10	Defining the Catechol-Cation Synergy for Enhanced Wet Adhesion to Mineral Surfaces. Journal of the American Chemical Society, 2016, 138, 9013-9016.	13.7	157
11	Long-range electrostatic screening in ionic liquids. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7432-7437.	7.1	214