

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

1039880

9
h-index

1281743

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. <i>Journal of the American Ceramic Society</i> , 2020, 103, 2160-2172.	1.9	9
2	Electrochemically Enhanced Dissolution of Silica and Alumina in Alkaline Environments. <i>Langmuir</i> , 2019, 35, 15651-15660.	1.6	5
3	Time-Dependent Physicochemical Changes of Carbonate Surfaces from SmartWater (Diluted Seawater) Flooding Processes for Improved Oil Recovery. <i>Langmuir</i> , 2019, 35, 41-50.	1.6	19
4	Surface chemical heterogeneity modulates silica surface hydration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2890-2895.	3.3	105
5	Ultra-smooth, Chemically Functional Silica Surfaces for Surface Interaction Measurements and Optical/Interferometry-based Techniques. <i>Advanced Engineering Materials</i> , 2018, 20, 1700630.	1.6	6
6	Role of Electrochemical Surface Potential and Irradiation on Garnet-Type Almandine™s Dissolution Kinetics. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17268-17277.	1.5	15
7	Tuning underwater adhesion with cation-π interactions. <i>Nature Chemistry</i> , 2017, 9, 473-479.	6.6	239
8	Long range electrostatic forces in ionic liquids. <i>Chemical Communications</i> , 2017, 53, 1214-1224.	2.2	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. <i>Energy & Fuels</i> , 2017, 31, 8925-8941.	2.5	69
10	Defining the Catechol-π Cation Synergy for Enhanced Wet Adhesion to Mineral Surfaces. <i>Journal of the American Chemical Society</i> , 2016, 138, 9013-9016.	6.6	157
11	Long-range electrostatic screening in ionic liquids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7432-7437.	3.3	214