

Jennifer A Soltis

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,174
citations

471061

17
h-index

676716

22
g-index

26
all docs

26
docs citations

26
times ranked

1821
citing authors

#	ARTICLE	IF	CITATIONS
1	Oriented Aggregation: Formation and Transformation of Mesocrystal Intermediates Revealed. <i>Journal of the American Chemical Society</i> , 2010, 132, 2163-2165.	6.6	286
2	Characterizing crystal growth by oriented aggregation. <i>CrystEngComm</i> , 2014, 16, 1409.	1.3	104
3	Self-similar mesocrystals form via interface-driven nucleation and assembly. <i>Nature</i> , 2021, 590, 416-422.	13.7	98
4	Nucleation of FAU and LTA Zeolites from Heterogeneous Aluminosilicate Precursors. <i>Chemistry of Materials</i> , 2016, 28, 4906-4916.	3.2	90
5	Metal-Organic Framework-Based Microfluidic Impedance Sensor Platform for Ultrasensitive Detection of Perfluorooctanesulfonate. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10503-10514.	4.0	77
6	Probing the Sorption of Perfluorooctanesulfonate Using Mesoporous Metal-Organic Frameworks from Aqueous Solutions. <i>Inorganic Chemistry</i> , 2019, 58, 8339-8346.	1.9	51
7	Aggregation of ferrihydrite nanoparticles in aqueous systems. <i>Faraday Discussions</i> , 2012, 159, 235.	1.6	49
8	Phase Transformation and Particle-Mediated Growth in the Formation of Hematite from 2-Line Ferrihydrite. <i>Crystal Growth and Design</i> , 2016, 16, 922-932.	1.4	48
9	Near surface nucleation and particle mediated growth of colloidal Au nanocrystals. <i>Nanoscale</i> , 2018, 10, 11907-11912.	2.8	48
10	Trace Uranium Partitioning in a Multiphase Nano-FeOOH System. <i>Environmental Science & Technology</i> , 2017, 51, 4970-4977.	4.6	44
11	Importance of interlayer H bonding structure to the stability of layered minerals. <i>Scientific Reports</i> , 2017, 7, 13274.	1.6	42
12	Impact of Solution Chemistry and Particle Anisotropy on the Collective Dynamics of Oriented Aggregation. <i>ACS Nano</i> , 2018, 12, 10114-10122.	7.3	40
13	Cation-Dependent Hierarchical Assembly of U60 Nanoclusters into Macro-Ion Assemblies Imaged via Cryogenic Transmission Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2016, 138, 191-198.	6.6	35
14	Carbon Nanotube Porins in Amphiphilic Block Copolymers as Fully Synthetic Mimics of Biological Membranes. <i>Advanced Materials</i> , 2018, 30, e1803355.	11.1	29
15	Effects of Ionic Strength, Salt, and pH on Aggregation of Boehmite Nanocrystals: Tumbler Small-Angle Neutron and X-ray Scattering and Imaging Analysis. <i>Langmuir</i> , 2018, 34, 15839-15853.	1.6	25
16	Electron Mobility and Trapping in Ferrihydrite Nanoparticles. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 216-226.	1.2	21
17	Improving the sensitivity of electrochemical sensors through a complementary luminescent mode: A new spectroelectrochemical approach. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 663-674.	4.0	21
18	Simulation of Natural Iron Oxide Alteration in Soil: Conversion of Synthetic Ferrihydrite to Hematite Without Artificial Dopants, Observed With Magnetic Methods. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009037.	1.0	16

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19	<i>In situ</i> microscopy across scales for the characterization of crystal growth mechanisms: the case of europium oxalate. <i>CrystEngComm</i> , 2018, 20, 2822-2833.	1.3	10
20	Can mineral growth by oriented attachment lead to incorporation of uranium(vi) into the structure of goethite?. <i>Environmental Science: Nano</i> , 2019, 6, 3000-3009.	2.2	10
21	A Perspective on the Particle-Based Crystal Growth of Ferric Oxides, Oxyhydroxides, and Hydrated Oxides. , 2017, , 257-273.		10
22	Spontaneous redox continuum reveals sequestered technetium clusters and retarded mineral transformation of iron. <i>Communications Chemistry</i> , 2020, 3, .	2.0	8
23	Cation-Dependent Hierarchical Assembly of U60 Nanoclusters into Blackberries Imaged via Cryogenic Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2016, 22, 1468-1469.	0.2	1
24	Membranes: Carbon Nanotube Porins in Amphiphilic Block Copolymers as Fully Synthetic Mimics of Biological Membranes (<i>Adv. Mater.</i> 51/2018). <i>Advanced Materials</i> , 2018, 30, 1870392.	11.1	0
25	Radiation-induced Dissolution of a Recalcitrant Aluminum Oxyhydroxide in Liquid Cell TEM. <i>Microscopy and Microanalysis</i> , 2019, 25, 1418-1419.	0.2	0