

Davoud Ebrahimi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2346005/publications.pdf>

Version: 2024-02-01

15
papers

548
citations

759233

12
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

803
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanolayered attributes of calcium-silicate-hydrate gels. Journal of the American Ceramic Society, 2020, 103, 541-557.	3.8	24
2	Silk-Based Hierarchical Materials for High Mechanical Performance at the Interface of Modeling, Synthesis, and Characterization. , 2020, , 1547-1574.		0
3	Predicting rates of <i>in vivo</i> degradation of recombinant spider silk proteins. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e97-e105.	2.7	21
4	Silk-Based Hierarchical Materials for High Mechanical Performance at the Interface of Modeling, Synthesis, and Characterization. , 2018, , 1-28.		1
5	Intracellular Pathways Involved in Bone Regeneration Triggered by Recombinant Silk-Silica Chimeras. Advanced Functional Materials, 2018, 28, 1702570.	14.9	31
6	Synergistic Integration of Experimental and Simulation Approaches for the <i>de Novo</i> Design of Silk-Based Materials. Accounts of Chemical Research, 2017, 50, 866-876.	15.6	45
7	Effect of Terminal Modification on the Molecular Assembly and Mechanical Properties of Protein-Based Block Copolymers. Macromolecular Bioscience, 2017, 17, 1700095.	4.1	10
8	Predicting Silk Fiber Mechanical Properties through Multiscale Simulation and Protein Design. ACS Biomaterials Science and Engineering, 2017, 3, 1542-1556.	5.2	32
9	Integrated Modeling and Experimental Approaches to Control Silica Modification of Design Silk-Based Biomaterials. ACS Biomaterials Science and Engineering, 2017, 3, 2877-2888.	5.2	14
10	Effect of Polydispersity of Clay Platelets on the Aggregation and Mechanical Properties of Clay at the Mesoscale. Clays and Clay Minerals, 2016, 64, 425-437.	1.3	14
11	Mesoscale simulation of clay aggregate formation and mechanical properties. Granular Matter, 2016, 18, 1.	2.2	33
12	Silk's Mysteries, How It Is Made, and How It Is Used. ACS Biomaterials Science and Engineering, 2015, 1, 864-876.	5.2	85
13	Mesoscale properties of clay aggregates from potential of mean force representation of interactions between nanoplatelets. Journal of Chemical Physics, 2014, 140, .	3.0	73
14	Atomic-scale modelling of elastic and failure properties of clays. Molecular Physics, 2014, 112, 1294-1305.	1.7	61
15	Nanoscale Elastic Properties of Montmorillonite upon Water Adsorption. Langmuir, 2012, 28, 16855-16863.	3.5	104