

Nicholas A Yaraghi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10533233/publications.pdf>

Version: 2024-02-01

13
papers

761
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Twisting cracks in Bouligand structures. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 76, 38-57.	3.1	181
2	A Sinusoidally Architected Helicoidal Biocomposite. <i>Advanced Materials</i> , 2016, 28, 6835-6844.	21.0	158
3	Crack twisting and toughening strategies in Bouligand architectures. <i>International Journal of Solids and Structures</i> , 2018, 150, 83-106.	2.7	138
4	Biomimetic Structural Materials: Inspiration from Design and Assembly. <i>Annual Review of Physical Chemistry</i> , 2018, 69, 23-57.	10.8	96
5	A natural energy absorbent polymer composite: The equine hoof wall. <i>Acta Biomaterialia</i> , 2019, 90, 267-277.	8.3	47
6	Structural analysis of the tongue and hyoid apparatus in a woodpecker. <i>Acta Biomaterialia</i> , 2016, 37, 1-13.	8.3	41
7	Light-induced transformation of vesicles to micelles and vesicle-gels to sols. <i>Soft Matter</i> , 2013, 9, 11576.	2.7	37
8	The Stomatopod Telson: Convergent Evolution in the Development of a Biological Shield. <i>Advanced Functional Materials</i> , 2019, 29, 1902238.	14.9	23
9	A comparative analysis of the avian skull: Woodpeckers and chickens. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 84, 273-280.	3.1	12
10	Microstructural and geometric influences in the protective scales of <i>Atractosteus spatula</i> . <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160595.	3.4	10
11	Modulation of impact energy dissipation in biomimetic helicoidal composites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14619-14629.	5.8	9
12	Elemental and Phase Analysis of the Stomatopod Dactyl Club by X-Ray Mapping. <i>Microscopy and Microanalysis</i> , 2015, 21, 2007-2008.	0.4	1
13	X-Ray Mapping of an Impact-Resistant Crustacean-Derived Biocomposite. <i>Microscopy and Microanalysis</i> , 2016, 22, 98-99.	0.4	1