

Elena MacÃ- as-SÃ;nchez

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

492
citations

687363

13
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

636
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic membranes determine the pattern of the columnar prismatic layer of mollusc shells. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160032.	2.6	47
2	Transformation of ACC into aragonite and the origin of the nanogranular structure of nacre. <i>Scientific Reports</i> , 2017, 7, 12728.	3.3	45
3	Hierarchically-structured metalloprotein composite coatings biofabricated from co-existing condensed liquid phases. <i>Nature Communications</i> , 2020, 11, 862.	12.8	41
4	Three-dimensional structural interrelations between cells, extracellular matrix, and mineral in normally mineralizing avian leg tendon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14102-14109.	7.1	39
5	Crystallographic control on the substructure of nacre tablets. <i>Journal of Structural Biology</i> , 2013, 183, 368-376.	2.8	35
6	Recognizing odd smells and ejection of brood parasitic eggs. An experimental test in magpies of a novel defensive trait against brood parasitism. <i>Journal of Evolutionary Biology</i> , 2014, 27, 1265-1270.	1.7	31
7	Biological strategy for the fabrication of highly ordered aragonite helices: the microstructure of the cavolinioidean gastropods. <i>Scientific Reports</i> , 2016, 6, 25989.	3.3	29
8	Great spotted cuckoo fledglings are disadvantaged by magpie host parents when reared together with magpie nestlings. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 333-342.	1.4	24
9	Spherulitic Crystal Growth Drives Mineral Deposition Patterns in Collagen-Based Materials. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	24
10	A new twist on sea silk: the peculiar protein ultrastructure of fan shell and pearl oyster byssus. <i>Soft Matter</i> , 2018, 14, 5654-5664.	2.7	21
11	Nonclassical Crystallization of Amorphous Calcium Carbonate in the Presence of Phosphate Ions. <i>Crystal Growth and Design</i> , 2021, 21, 414-423.	3.0	21
12	Do great spotted cuckoo nestlings beg dishonestly?. <i>Animal Behaviour</i> , 2012, 83, 163-169.	1.9	18
13	Magnetic Nanoparticles in Human Cervical Skin. <i>Frontiers in Medicine</i> , 2019, 6, 123.	2.6	15
14	Great Spotted Cuckoo Fledglings Often Receive Feedings from Other Magpie Adults than Their Foster Parents: Which Magpies Accept to Feed Foreign Cuckoo Fledglings?. <i>PLoS ONE</i> , 2014, 9, e107412.	2.5	14
15	Self-assembling iron oxyhydroxide/oxide tubular structures: laboratory-grown and field examples from Rio Tinto. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160466.	2.1	13
16	Shaping Magnetite with Poly-arginine and pH: From Small Single Crystals to Large Mesocrystals. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5514-5518.	4.6	13
17	Flexible mating patterns in an obligate brood parasite. <i>Ibis</i> , 2017, 159, 103-112.	1.9	12
18	Liquid phase electron microscopy of biological specimens. <i>MRS Bulletin</i> , 2020, 45, 754-760.	3.5	11

#	ARTICLE	IF	CITATIONS
19	Evidence for a liquid-crystal precursor involved in the formation of the crossed-lamellar microstructure of the mollusc shell. <i>Acta Biomaterialia</i> , 2021, 120, 12-19.	8.3	9
20	Complex feeding behaviour by magpies in nests with great spotted cuckoo nestlings. <i>Journal of Avian Biology</i> , 2017, 48, 1406-1413.	1.2	8
21	Origin of the biphasic nature and surface roughness of biogenic calcite secreted by the giant barnacle <i>Austromegabalanus psittacus</i> . <i>Scientific Reports</i> , 2020, 10, 16784.	3.3	7
22	Sexual differences in colour and size in the Great Spotted Cuckoo <i>Clamator glandarius</i> . <i>Ibis</i> , 2013, 155, 605-610.	1.9	6
23	The Transport System of Nacre Components through the Surface Membrane of Gastropods. <i>Key Engineering Materials</i> , 0, 672, 103-112.	0.4	3
24	Great spotted cuckoos respond earlier to the arrival of feeding foster parents and perform less erroneous begging when hungry than their magpie host nestmates. <i>Journal of Avian Biology</i> , 2019, 50, .	1.2	3