

Ali Al-Sawalmih

List of Publications by Year in descending order

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15
papers

923
citations

840776

11
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996975

15
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16
all docs

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docs citations

16
times ranked

1171
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and crystallographic texture of the chitin-protein network in the biological composite material of the exoskeleton of the lobster <i>Homarus americanus</i> . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 421, 143-153.	5.6	227
2	Microtexture and Chitin/Calcite Orientation Relationship in the Mineralized Exoskeleton of the American Lobster. <i>Advanced Functional Materials</i> , 2008, 18, 3307-3314.	14.9	145
3	Enamel-like apatite crown covering amorphous mineral in a crayfish mandible. <i>Nature Communications</i> , 2012, 3, 839.	12.8	116
4	Discovery of a honeycomb structure in the twisted plywood patterns of fibrous biological nanocomposite tissue. <i>Journal of Crystal Growth</i> , 2005, 283, 1-7.	1.5	96
5	On the Stability of Amorphous Minerals in Lobster Cuticle. <i>Advanced Materials</i> , 2009, 21, 4011-4015.	21.0	74
6	Preferred crystallographic texture of β -chitin as a microscopic and macroscopic design principle of the exoskeleton of the lobster <i>Homarus americanus</i> . <i>Acta Biomaterialia</i> , 2007, 3, 882-895.	8.3	65
7	The small-angle and wide-angle X-ray scattering set-up at beamline BL9 of DELTA. <i>Journal of Synchrotron Radiation</i> , 2007, 14, 244-251.	2.4	61
8	Structural, Electronic and Optical Characterization of ZnO Thin Film-Seeded Platforms for ZnO Nanostructures: Sol-Gel Method Versus Ab Initio Calculations. <i>Journal of Electronic Materials</i> , 2019, 48, 5028-5038.	2.2	48
9	Science, Diplomacy, and the Red Sea's Unique Coral Reef: It's Time for Action. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	34
10	Layered growth of crayfish gastrolith: About the stability of amorphous calcium carbonate and role of additives. <i>Journal of Structural Biology</i> , 2015, 189, 28-36.	2.8	28
11	Structure and Crystallographic Texture of Arthropod Bio-Composites. <i>Materials Science Forum</i> , 2005, 495-497, 1665-1674.	0.3	13
12	Mapping Lattice Spacing and Composition in Biological Materials by Means of Microbeam X-Ray Diffraction. <i>Advanced Engineering Materials</i> , 2011, 13, 784-792.	3.5	7
13	Physical and chemical properties of seawater during 2013-2015 in the 400m water column in the northern Gulf of Aqaba, Red Sea. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 188.	2.7	6
14	Calcium Composition and Microstructure of Coral <i>Stylophora pistillata</i> under Phosphate Pollution Stress in the Gulf of Aqaba. <i>Natural Science</i> , 2016, 08, 89-95.	0.4	1
15	Heterogeneous Microstructure and Distribution of Trace Elements in Coral <i>Stylophora pistillata</i> Nursed in the Phosphate Loading Berth Site in the Gulf of Aqaba. <i>Natural Science</i> , 2016, 08, 541-552.	0.4	0