

Emre Firlar

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

516
citations

686830

13
h-index

676716

22
g-index

38
all docs

38
docs citations

38
times ranked

771
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis of transcription-translation coupling. <i>Science</i> , 2020, 369, 1359-1365.	6.0	101
2	Sustained micellar delivery via inducible transitions in nanostructure morphology. <i>Nature Communications</i> , 2018, 9, 624.	5.8	76
3	Correlative Electron and Fluorescence Microscopy of Magnetotactic Bacteria in Liquid: Toward In Vivo Imaging. <i>Scientific Reports</i> , 2014, 4, 6854.	1.6	65
4	Quantitative nanoscale water mapping in frozen-hydrated skin by low-loss electron energy-loss spectroscopy. <i>Ultramicroscopy</i> , 2010, 110, 866-876.	0.8	33
5	Investigation of the magnetosome biomineralization in magnetotactic bacteria using graphene liquid cell " transmission electron microscopy. <i>Nanoscale</i> , 2019, 11, 698-705.	2.8	29
6	<p>TEM Studies on Antibacterial Mechanisms of Black Phosphorous Nanosheets</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3071-3085.	3.3	28
7	In Situ Transmission Electron Microscopy Explores a New Nanoscale Pathway for Direct Gypsum Formation in Aqueous Solution. <i>ACS Applied Nano Materials</i> , 2018, 1, 5430-5440.	2.4	22
8	Surface-patterned microgel-tethered molecular beacons. <i>Soft Matter</i> , 2012, 8, 3067.	1.2	19
9	In Situ Liquid-Cell TEM Observation of Multiphase Classical and Nonclassical Nucleation of Calcium Oxalate. <i>Advanced Functional Materials</i> , 2021, 31, 2007736.	7.8	19
10	On the structure and chemistry of iron oxide cores in human heart and human spleen ferritins using graphene liquid cell electron microscopy. <i>Nanoscale</i> , 2019, 11, 16868-16878.	2.8	18
11	Combination targeting of "platelets + fibrin"™ enhances clot anchorage efficiency of nanoparticles for vascular drug delivery. <i>Nanoscale</i> , 2020, 12, 21255-21270.	2.8	15
12	Strength of short fiber reinforced polymers: Effect of fiber length distribution. <i>Polymer Composites</i> , 2008, 29, 644-648.	2.3	14
13	Following iron speciation in the early stages of magnetite magnetosome biomineralization. <i>Journal of Materials Research</i> , 2016, 31, 547-555.	1.2	14
14	In situ graphene liquid cell-transmission electron microscopy study of insulin secretion in pancreatic islet cells. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 371-382.	3.3	13
15	<p>Correlative ex situ and Liquid-Cell TEM Observation of Bacterial Cell Membrane Damage Induced by Rough Surface Topology</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1929-1938.	3.3	13
16	Colicin E1 opens its hinge to plug TolC. <i>ELife</i> , 2022, 11, .	2.8	11
17	High-Yield Preparation of Outer Membrane Protein Efflux Pumps by in Vitro Refolding is Concentration Dependent. <i>Journal of Membrane Biology</i> , 2021, 254, 41-50.	1.0	6
18	Saturation of thylakoid-associated fatty acids facilitates bioenergetic coupling in a marine diatom allowing for thermal acclimation. <i>Global Change Biology</i> , 2021, 27, 3133-3144.	4.2	5

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19	Structural and mechanistic basis of reiterative transcription initiation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	5
20	Monitoring the Exocytosis and Full Fusion of Insulin Granules in Pancreatic Islet Cells via Graphene Liquid Cell-Transmission Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 1310-1311.	0.2	3
21	Correlative Electron and Fluorescence Microscopy of Magnetotactic Bacteria in Liquid: Toward In Vivo Imaging. Microscopy and Microanalysis, 2015, 21, 1499-1500.	0.2	1
22	Field-assisted self-assembly process: general discussion. Faraday Discussions, 2015, 181, 463-479.	1.6	1
23	Elucidation of Structure and Chemistry of Iron Core in Human Heart Ferritin via Graphene Liquid Cell. Microscopy and Microanalysis, 2016, 22, 800-801.	0.2	1
24	Electron Microscopy and Spectroscopy of Citrate Induced Calcium Oxalate Crystal Structure and Hydration State Changes, and Implications for Kidney Stones. Microscopy and Microanalysis, 2017, 23, 1208-1209.	0.2	1
25	Revealing the Iron Oxides Mineral Core in Ferritin due to the Variations in the H and L Subunits. Microscopy and Microanalysis, 2017, 23, 1184-1185.	0.2	1
26	In situ Encapsulation of E. coli in GLC and Prediction of Beam Induced Death. Microscopy and Microanalysis, 2018, 24, 312-313.	0.2	1
27	Light on the Biomineralization of Ferritin. Microscopy and Microanalysis, 2018, 24, 1324-1325.	0.2	1
28	New Approach to Analysis of Noisy EELS Data. Microscopy and Microanalysis, 2015, 21, 1593-1594.	0.2	0
29	Corneodesmosomal Water Content in Frozen-Hydrated Porcine Skin. Journal of Investigative Dermatology, 2015, 135, 1689-1691.	0.3	0
30	Synthesis and Characterization of Paramagnetic Iron Nanoparticles with Minimal Gold Coating for Optimal Drug Delivery. Microscopy and Microanalysis, 2016, 22, 1096-1097.	0.2	0
31	Transmission Electron Microscopy Studies of Calcium Phosphate Biomineralization. Microscopy and Microanalysis, 2016, 22, 798-799.	0.2	0
32	Correlative in situ Analysis of Magnetosome Magnetite Biomineralization. Microscopy and Microanalysis, 2016, 22, 12-13.	0.2	0
33	Spatially Resolved Electron Energy Loss Spectroscopy Studies in Graphene Liquid Cell for the Investigation of the Biomineralization Processes in Human Body. Microscopy and Microanalysis, 2016, 22, 806-807.	0.2	0
34	Investigation of the Magnetosome Biomineralization in Magnetotactic Bacteria Using GLC-TEM. Microscopy and Microanalysis, 2018, 24, 1330-1331.	0.2	0
35	Unveiling the Mechanism of Liposome Formation Using the Graphene Liquid Cells. Microscopy and Microanalysis, 2018, 24, 1784-1785.	0.2	0
36	In Situ Investigation of Calcium Oxalate Mineralization. Microscopy and Microanalysis, 2018, 24, 1320-1321.	0.2	0

#	ARTICLE	IF	CITATIONS
37	Investigation of In Situ Radiation Effects in Liquid Cell Electron Microscopy. Microscopy and Microanalysis, 2018, 24, 1980-1981.	0.2	0