

Katya Rechav

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,000
citations

394421

19
h-index

477307

29
g-index

33
all docs

33
docs citations

33
times ranked

1677
citing authors

#	ARTICLE	IF	CITATIONS
1	Sample preparation and image registration for correlative cryo-FM and cryo-FIB-SEM of plunge-frozen mammalian cells. STAR Protocols, 2022, 3, 101142.	1.2	0
2	Halide perovskite dynamics at work: Large cations at 2D-on-3D interfaces are mobile. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2114740119.	7.1	19
3	Focused ion beam-SEM 3D analysis of mineralized osteonal bone: lamellae and cement sheath structures. Acta Biomaterialia, 2021, 121, 497-513.	8.3	18
4	In situ fiducial markers for 3D correlative cryo-fluorescence and FIB-SEM imaging. IScience, 2021, 24, 102714.	4.1	14
5	Asymmetric misfit nanotubes: Chemical affinity outwits the entropy at high-temperature solid-state reactions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
6	Nanostructured Nickel/Ruthenium/Ruthenium-Oxide Supercapacitor Displaying Exceptional High Frequency Response. Advanced Electronic Materials, 2020, 6, 1900844.	5.1	20
7	Imaging and quantifying homeostatic levels of intracellular silicon in diatoms. Science Advances, 2020, 6, .	10.3	29
8	Unique three-dimensional structure of a fish pharyngeal jaw subjected to unusually high mechanical loads. Journal of Structural Biology, 2020, 211, 107530.	2.8	10
9	Nanoscale Spatial Separation to Regulate Gold Microstructures Formation. ChemistrySelect, 2019, 4, 12104-12110.	1.5	0
10	Coordinated internodal and paranodal adhesion controls accurate myelination by oligodendrocytes. Journal of Cell Biology, 2019, 218, 2887-2895.	5.2	34
11	On-site secretory vesicle delivery drives filamentous growth in the fungal pathogen <i>Candida albicans</i> . Cellular Microbiology, 2019, 21, e12963.	2.1	18
12	The entry of <i>Salmonella</i> in a distinct tight compartment revealed at high temporal and ultrastructural resolution. Cellular Microbiology, 2018, 20, e12816.	2.1	34
13	Guided Growth of Horizontal ZnS Nanowires on Flat and Faceted Sapphire Surfaces. Journal of Physical Chemistry C, 2018, 122, 12413-12420.	3.1	23
14	Metal-Coordination-Induced Fusion Creates Hollow Crystalline Molecular Superstructures. Journal of the American Chemical Society, 2018, 140, 9132-9139.	13.7	21
15	Crystallographic Mapping of Guided Nanowires by Second Harmonic Generation Polarimetry. Nano Letters, 2017, 17, 842-850.	9.1	21
16	Guided CdSe Nanowires Parallely Integrated into Fast Visible-Range Photodetectors. ACS Nano, 2017, 11, 213-220.	14.6	72
17	Direct Fabrication of 3D Metallic Networks and Their Performance. Advanced Materials, 2017, 29, 1604018.	21.0	30
18	Bottom-Up Tri-gate Transistors and Submicrosecond Photodetectors from Guided CdS Nanowalls. Journal of the American Chemical Society, 2017, 139, 15958-15967.	13.7	34

#	ARTICLE	IF	CITATIONS
19	Electrochromic Metallo-Organic Nanoscale Films: Fabrication, Color Range, and Devices. <i>Journal of the American Chemical Society</i> , 2017, 139, 11471-11481.	13.7	121
20	Zebrafish skeleton development: High resolution micro-CT and FIB-SEM block surface serial imaging for phenotype identification. <i>PLoS ONE</i> , 2017, 12, e0177731.	2.5	18
21	Structural studies demonstrating a bacteriophage-like replication cycle of the eukaryote-infecting <i>Paramecium bursaria</i> chlorella virus-1. <i>PLoS Pathogens</i> , 2017, 13, e1006562.	4.7	20
22	Guided Growth of Horizontal p-Type ZnTe Nanowires. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17087-17100.	3.1	47
23	Virus-host interactions: insights from the replication cycle of the large <i>Paramecium bursaria</i> chlorella virus. <i>Cellular Microbiology</i> , 2016, 18, 3-16.	2.1	33
24	Deposition of gold and silver on porous silicon and inside the pores. <i>Thin Solid Films</i> , 2016, 603, 88-96.	1.8	22
25	Defect-Free Carbon Nanotube Coils. <i>Nano Letters</i> , 2016, 16, 2152-2158.	9.1	20
26	Transport of membrane-bound mineral particles in blood vessels during chicken embryonic bone development. <i>Bone</i> , 2016, 83, 65-72.	2.9	62
27	Guided Growth of Horizontal ZnSe Nanowires and their Integration into High-Performance Blue-UV Photodetectors. <i>Advanced Materials</i> , 2015, 27, 3999-4005.	21.0	76
28	The Tomato MIXTA-like Transcription Factor Coordinates Fruit Epidermis Conical Cell Development and Cuticular Lipid Biosynthesis and Assembly. <i>Plant Physiology</i> , 2015, 169, pp.01145.2015.	4.8	67
29	Genetic Deletion of <i>Cadm4</i> Results in Myelin Abnormalities Resembling Charcot-Marie-Tooth Neuropathy. <i>Journal of Neuroscience</i> , 2013, 33, 10950-10961.	3.6	63
30	Silver Nanoparticles Deposited on Porous Silicon as a Surface-Enhanced Raman Scattering (SERS) Active Substrate. <i>Applied Spectroscopy</i> , 2012, 66, 294-299.	2.2	42