

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	Electrochromic Metallo-Organic Nanoscale Films: Fabrication, Color Range, and Devices. Journal of the American Chemical Society, 2017, 139, 11471-11481.	13.7	121
2	Guided Growth of Horizontal ZnSe Nanowires and their Integration into High-Performance Blue-UV Photodetectors. Advanced Materials, 2015, 27, 3999-4005.	21.0	76
3	Guided CdSe Nanowires Parallely Integrated into Fast Visible-Range Photodetectors. ACS Nano, 2017, 11, 213-220.	14.6	72
4	The Tomato MIXTA-like Transcription Factor Coordinates Fruit Epidermis Conical Cell Development and Cuticular Lipid Biosynthesis and Assembly. Plant Physiology, 2015, 169, pp.01145.2015.	4.8	67
5	Genetic Deletion of Cadm4 Results in Myelin Abnormalities Resembling Charcot-Marie-Tooth Neuropathy. Journal of Neuroscience, 2013, 33, 10950-10961.	3.6	63
6	Transport of membrane-bound mineral particles in blood vessels during chicken embryonic bone development. Bone, 2016, 83, 65-72.	2.9	62
7	Guided Growth of Horizontal p-Type ZnTe Nanowires. Journal of Physical Chemistry C, 2016, 120, 17087-17100.	3.1	47
8	Silver Nanoparticles Deposited on Porous Silicon as a Surface-Enhanced Raman Scattering (SERS) Active Substrate. Applied Spectroscopy, 2012, 66, 294-299.	2.2	42
9	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
10	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
11	Coordinated internodal and paranodal adhesion controls accurate myelination by oligodendrocytes. Journal of Cell Biology, 2019, 218, 2887-2895.	5.2	34
12	Virus-host interactions: insights from the replication cycle of the large <i>Paramecium bursaria</i> chlorella virus. Cellular Microbiology, 2016, 18, 3-16.	2.1	33
13	Direct Fabrication of 3D Metallic Networks and Their Performance. Advanced Materials, 2017, 29, 1604018.	21.0	30
14	Imaging and quantifying homeostatic levels of intracellular silicon in diatoms. Science Advances, 2020, 6, .	10.3	29
15	Guided Growth of Horizontal ZnS Nanowires on Flat and Faceted Sapphire Surfaces. Journal of Physical Chemistry C, 2018, 122, 12413-12420.	3.1	23
16	Deposition of gold and silver on porous silicon and inside the pores. Thin Solid Films, 2016, 603, 88-96.	1.8	22
17	Crystallographic Mapping of Guided Nanowires by Second Harmonic Generation Polarimetry. Nano Letters, 2017, 17, 842-850.	9.1	21
18	Metal-Coordination-Induced Fusion Creates Hollow Crystalline Molecular Superstructures. Journal of the American Chemical Society, 2018, 140, 9132-9139.	13.7	21

#	ARTICLE	IF	CITATIONS
19	Defect-Free Carbon Nanotube Coils. <i>Nano Letters</i> , 2016, 16, 2152-2158.	9.1	20
20	Structural studies demonstrating a bacteriophage-like replication cycle of the eukaryote-infecting <i>Paramecium bursaria chlorella virus-1</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006562.	4.7	20
21	Nanostructured Nickel/Ruthenium/Ruthenium Oxide Supercapacitor Displaying Exceptional High Frequency Response. <i>Advanced Electronic Materials</i> , 2020, 6, 1900844.	5.1	20
22	Halide perovskite dynamics at work: Large cations at 2D-on-3D interfaces are mobile. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2114740119.	7.1	19
23	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
24	On-site secretory vesicle delivery drives filamentous growth in the fungal pathogen <i>Candida albicans</i> . <i>Cellular Microbiology</i> , 2019, 21, e12963.	2.1	18
25	Focused ion beam-SEM 3D analysis of mineralized osteonal bone: lamellae and cement sheath structures. <i>Acta Biomaterialia</i> , 2021, 121, 497-513.	8.3	18
26	In situ fiducial markers for 3D correlative cryo-fluorescence and FIB-SEM imaging. <i>IScience</i> , 2021, 24, 102714.	4.1	14
27	Unique three-dimensional structure of a fish pharyngeal jaw subjected to unusually high mechanical loads. <i>Journal of Structural Biology</i> , 2020, 211, 107530.	2.8	10
28	Asymmetric misfit nanotubes: Chemical affinity outwits the entropy at high-temperature solid-state reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
29	Nanoscale Spatial Separation to Regulate Gold Microstructures Formation. <i>ChemistrySelect</i> , 2019, 4, 12104-12110.	1.5	0
30	Sample preparation and image registration for correlative cryo-FM and cryo-FIB-SEM of plunge-frozen mammalian cells. <i>STAR Protocols</i> , 2022, 3, 101142.	1.2	0