

Omri Bar-Elli

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

825
citations

933447

10
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

2027
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetragonal CH ₃ NH ₃ Pb ₃ is ferroelectric. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5504-E5512.	7.1	240
2	Amplification of Chiroptical Activity of Chiral Biomolecules by Surface Plasmons. Nano Letters, 2013, 13, 1203-1209.	9.1	209
3	Chiroptical Effects in Planar Achiral Plasmonic Oriented Nanohole Arrays. Nano Letters, 2012, 12, 2357-2361.	9.1	84
4	Dependence of the Absorption and Optical Surface Plasmon Scattering of MoS ₂ Nanoparticles on Aspect Ratio, Size, and Media. ACS Nano, 2014, 8, 3575-3583.	14.6	63
5	Self-Assembled Organic Nanocrystals with Strong Nonlinear Optical Response. Nano Letters, 2015, 15, 7232-7237.	9.1	59
6	Chiral and SHG-Active Metal-Organic Frameworks Formed in Solution and on Surfaces: Uniformity, Morphology Control, Oriented Growth, and Postassembly Functionalization. Journal of the American Chemical Society, 2020, 142, 14210-14221.	13.7	34
7	Characterizing the Quantum-Confined Stark Effect in Semiconductor Quantum Dots and Nanorods for Single-Molecule Electrophysiology. ACS Photonics, 2018, 5, 4788-4800.	6.6	30
8	The Dual Functional Reflecting Iris of the Zebrafish. Advanced Science, 2018, 5, 1800338.	11.2	28
9	Enhanced Third-Harmonic Generation from a Metal/Semiconductor Core/Shell Hybrid Nanostructure. ACS Nano, 2015, 9, 8064-8069.	14.6	27
10	Rapid Voltage Sensing with Single Nanorods via the Quantum Confined Stark Effect. ACS Photonics, 2018, 5, 2860-2867.	6.6	22
11	Development of Lipid-Coated Semiconductor Nanosensors for Recording of Membrane Potential in Neurons. ACS Photonics, 2020, 7, 1141-1152.	6.6	11
12	Polarity-dependent nonlinear optics of nanowires under electric field. Nature Communications, 2021, 12, 3286.	12.8	11
13	Remanent Polarization and Strong Photoluminescence Modulation by an External Electric Field in Epitaxial CsPbBr ₃ Nanowires. ACS Nano, 2021, 15, 16130-16138.	14.6	5
14	A Nanoscopic View of Photoinduced Charge Transfer in Organic Nanocrystalline Heterojunctions. Journal of Physical Chemistry C, 2019, 123, 25031-25041.	3.1	2
15	Detecting Short Voltage Pulses Using Single Quantum Dots Designed for Action Potential Sensing. , 0, , .		0
16	Ratiometric widefield imaging with spectrally balanced detection. Biomedical Optics Express, 2019, 10, 5385.	2.9	0
17	Detecting Short Voltage Pulses Using Single Quantum Dots Designed for Action Potential Sensing. , 0, , .		0