

Shachar Richter

List of Publications by Year in descending order

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26
papers

541
citations

687363

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642732

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27
all docs

27
docs citations

27
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	Broad Band Enhancement of Light Absorption in Photosystem I by Metal Nanoparticle Antennas. Nano Letters, 2010, 10, 2069-2074.	9.1	121
2	Large-Scale Fabrication of 4-nm-Channel Vertical Protein-Based Ambipolar Transistors. Nano Letters, 2009, 9, 1296-1300.	9.1	46
3	Efficient Separation of Dyes by Mucin: Toward Bioinspired White-Luminescent Devices. Advanced Materials, 2011, 23, 4261-4264.	21.0	39
4	Jellyfish-Based Smart Wound Dressing Devices Containing In Situ Synthesized Antibacterial Nanoparticles. Advanced Functional Materials, 2019, 29, 1902783.	14.9	39
5	Bio-inspired synthesis of chiral silver nanoparticles in mucin glycoprotein—the natural choice. Chemical Communications, 2011, 47, 7419.	4.1	37
6	Doped Biomolecules in Miniaturized Electric Junctions. Journal of the American Chemical Society, 2012, 134, 8468-8473.	13.7	33
7	Stable White Light-Emitting Biocomposite Films. Advanced Functional Materials, 2018, 28, 1706967.	14.9	32
8	Bio-assisted synthesis of bimetallic nanoparticles featuring antibacterial and photothermal properties for the removal of biofilms. Journal of Nanobiotechnology, 2021, 19, 452.	9.1	25
9	Realization of Molecular-Based Transistors. Advanced Materials, 2018, 30, e1706941.	21.0	22
10	Surface-Induced Conformational Changes in Doped Bovine Serum Albumin Self-Assembled Monolayers. Journal of the American Chemical Society, 2014, 136, 6151-6154.	13.7	20
11	Spatial modulation of light transmission through a single microcavity by coupling of photosynthetic complex excitations to surface plasmons. Nature Communications, 2015, 6, 7334.	12.8	20
12	Light-Induced Conductivity in a Solution-Processed Film of Polydiacetylene and Perylene Diimide. Journal of Physical Chemistry Letters, 2016, 7, 1628-1631.	4.6	20
13	Filling the Green Gap of a Megadalton Photosystem I Complex by Conjugation of Organic Dyes. Bioconjugate Chemistry, 2016, 27, 36-41.	3.6	14
14	Jellyfish-Based Plastic. Advanced Sustainable Systems, 2019, 3, 1900016.	5.3	11
15	Rapid Particle Patterning in Surface Deposited Micro-Droplets of Low Ionic Content via Low-Voltage Electrochemistry and Electrokinetics. Scientific Reports, 2015, 5, 13095.	3.3	10
16	Efficient Separation of Conjugated Polymers Using a Water Soluble Glycoprotein Matrix: From Fluorescence Materials to Light Emitting Devices. Macromolecular Bioscience, 2014, 14, 320-326.	4.1	9
17	Investigation of the pH-dependence of dye-doped protein-protein interactions. Protein Science, 2016, 25, 1918-1923.	7.6	8
18	Peptide-based spherulitic films' formation and properties. Journal of Colloid and Interface Science, 2010, 343, 387-391.	9.4	7

#	ARTICLE	IF	CITATIONS
19	Growth control of peptide-nanotube spherulitic films: Experiments and simulations. Nano Research, 2015, 8, 3630-3638.	10.4	6
20	One-Pot Bio-Assisted Synthesis of Stable Ag-AgCl System Using Jellyfish-Based Scaffold for Plasmonic Photocatalysis Applications. Advanced Sustainable Systems, 2021, 5, 2100099.	5.3	6
21	Controlled Electroluminescence from Films Composed of Mixed Bio-Composites and Nanotubes. ChemPhysChem, 2013, 14, 4065-4068.	2.1	5
22	Mucin-Based Composites for Efficient Mercuric Biosorption. Advanced Sustainable Systems, 2022, 6, .	5.3	4
23	Morphology Effect on Charge Transport in Doped Bovine Serum Albumin Self-Assembled Monolayers. Journal of Physical Chemistry C, 2017, 121, 9579-9586.	3.1	3
24	Light-Emitting Biocomposites: Stable White Light-Emitting Biocomposite Films (Adv. Funct. Mater.) Tj ETQq0 0 0,rgBT /Overlock 10	14.9	2
25	Biophotovoltaics: Orientation and Incorporation of Photosystem I in Bioelectronics Devices Enabled by Phage Display (Adv. Sci. 5/2017). Advanced Science, 2017, 4, .	11.2	1
26	Coupled Molecular Emitters in Superstructures Interact with Plasmonic Nanoparticles. Advanced Photonics Research, 2022, 3, .	3.6	1