Shachar Richter

List of Publications by Year
in descending order

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26	541	687363 13	642732 23
papers	citations	h-index	g-index

27	27	27	953
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coupled Molecular Emitters in Superstructures Interact with Plasmonic Nanoparticles. Advanced Photonics Research, 2022, 3, .	3.6	1
2	Mucinâ€Based Composites for Efficient Mercuric Biosorption. Advanced Sustainable Systems, 2022, 6, .	5.3	4
3	Oneâ€Pot Bioâ€Assisted Synthesis of Stable Agâ€“AgCl System Using Jellyfishâ€Based Scaffold for Plasmonic Photocatalysis Applications. Advanced Sustainable Systems, 2021, 5, 2100099.	5.3	6
4	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
5	Jellyfishâ€Based Smart Wound Dressing Devices Containing In Situ Synthesized Antibacterial Nanoparticles. Advanced Functional Materials, 2019, 29, 1902783.	14.9	39
6	Jellyfishâ€Based Plastic. Advanced Sustainable Systems, 2019, 3, 1900016.	5.3	11
7	Stable White Lightâ€Emitting Biocomposite Films. Advanced Functional Materials, 2018, 28, 1706967.	14.9	32
8	Realization of Molecularâ€Based Transistors. Advanced Materials, 2018, 30, e1706941.	21.0	22
9	Lightâ€Emitting Biocomposites: Stable White Lightâ€Emitting Biocomposite Films (Adv. Funct. Mater.) Tj ETQq1 1 0.784314 rgBT /Over	14.9	2
10	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
11	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
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	Investigation of the pHâ€dependence of dyeâ€doped proteinâ€“protein interactions. Protein Science, 2016, 25, 1918-1923.	7.6	8
14	Filling the Green Gap of a Megadalton Photosystem I Complex by Conjugation of Organic Dyes. Bioconjugate Chemistry, 2016, 27, 36-41.	3.6	14
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	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
17	Growth control of peptide-nanotube spherulitic films: Experiments and simulations. Nano Research, 2015, 8, 3630-3638.	10.4	6
18	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

#	Article	IF	Citations
19	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
20	Controlled Electroluminescence from Films Composed of Mixed Bioâ€Composites and Nanotubes. ChemPhysChem, 2013, 14, 4065-4068.	2.1	5
21	Doped Biomolecules in Miniaturized Electric Junctions. Journal of the American Chemical Society, 2012, 134, 8468-8473.	13.7	33
22	Bio-inspired synthesis of chiral silver nanoparticles in mucin glycoproteinâ€"the natural choice. Chemical Communications, 2011, 47, 7419.	4.1	37
23	Efficient Separation of Dyes by Mucin: Toward Bioinspired Whiteâ€Luminescent Devices. Advanced Materials, 2011, 23, 4261-4264.	21.0	39
24	Peptide-based spherulitic filmsâ€"formation and properties. Journal of Colloid and Interface Science, 2010, 343, 387-391.	9.4	7
25	Broad Band Enhancement of Light Absorption in Photosystem I by Metal Nanoparticle Antennas. Nano Letters, 2010, 10, 2069-2074.	9.1	121
26	Large-Scale Fabrication of 4-nm-Channel Vertical Protein-Based Ambipolar Transistors. Nano Letters, 2009, 9, 1296-1300.	9.1	46