

Iddo Pinkas

List of Publications by Year in descending order

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79
papers

2,471
citations

218677

26
h-index

214800

47
g-index

90
all docs

90
docs citations

90
times ranked

4057
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural organization of xanthine crystals in the median ocellus of a member of the ancestral insect group Archaeognatha. <i>Journal of Structural Biology</i> , 2022, 214, 107834.	2.8	4
2	Nanotubes from Ternary WS ₂ (1-x)/Se _{2-x} Alloys: Stoichiometry Modulated Tunable Optical Properties. <i>Journal of the American Chemical Society</i> , 2022, 144, 10530-10542.	13.7	15
3	Exploring Coral Calcification by Calcium Carbonate Overgrowth Experiments. <i>Crystal Growth and Design</i> , 2022, 22, 5045-5053.	3.0	4
4	Estimating temperatures of heated Lower Palaeolithic flint artefacts. <i>Nature Human Behaviour</i> , 2021, 5, 221-228.	12.0	10
5	Control over size, shape, and photonics of self-assembled organic nanocrystals. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 42-51.	2.2	3
6	MoS ₂ and WS ₂ Nanotubes: Synthesis, Structural Elucidation, and Optical Characterization. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6324-6340.	3.1	35
7	Calcium Sulfate Hemihydrate (Bassanite) Crystals in the Wood of the Tamarix Tree. <i>Minerals (Basel)</i> , 2021, 11, 1078.	2.0	5
8	Sclerites of the soft coral <i>Ovabunda macrospiculata</i> (Xeniidae) are predominantly the metastable CaCO ₃ polymorph vaterite. <i>Acta Biomaterialia</i> , 2021, 135, 663-670.	8.3	1
9	Noncovalent Bonding Caught in Action: From Amorphous to Cocrystalline Molecular Thin Films. <i>ACS Nano</i> , 2021, 15, 14643-14652.	14.6	2
10	A polarized micro-Raman study of necked epoxy fibers. <i>Polymer</i> , 2021, 230, 124034.	3.8	3
11	Poly(L-lactic acid) Reinforced with Hydroxyapatite and Tungsten Disulfide Nanotubes. <i>Polymers</i> , 2021, 13, 3851.	4.5	4
12	Size-Dependent Control of Exciton-Polariton Interactions in WS ₂ Nanotubes. <i>Small</i> , 2020, 16, e1904390.	10.0	26
13	Biom mineralization pathways in calcifying dinoflagellates: Uptake, storage in MgCaP-rich bodies and formation of the shell. <i>Acta Biomaterialia</i> , 2020, 102, 427-439.	8.3	27
14	Eppur si Muove: Proton Diffusion in Halide Perovskite Single Crystals. <i>Advanced Materials</i> , 2020, 32, e2002467.	21.0	50
15	Inducing Defects in ¹⁹ F-Nanocrystals Provides Paramagnetic-free Relaxation Enhancement for Improved <i>In Vivo</i> Hotspot MRI. <i>Nano Letters</i> , 2020, 20, 7207-7212.	9.1	18
16	Airborne microplastic particles detected in the remote marine atmosphere. <i>Communications Earth & Environment</i> , 2020, 1, .	6.8	131
17	Decreased Riboflavin Impregnation Time Does Not Increase the Risk for Endothelial Phototoxicity During Corneal Cross-Linking. <i>Translational Vision Science and Technology</i> , 2020, 9, 4.	2.2	3
18	Nanotubes: Size-Dependent Control of Exciton-Polariton Interactions in WS ₂ Nanotubes (Small 4/2020). <i>Small</i> , 2020, 16, 2070022.	10.0	0

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19	Quaternary Ln _x La _(1-x) S-TaS ₂ nanotubes (Ln=Pr, Sm, Ho, and Yb) as a vehicle for improving the yield of misfit nanotubes. <i>Applied Materials Today</i> , 2020, 19, 100581.	4.3	4
20	YS-TaS ₂ and Y _x La _(1-x) S-TaS ₂ (0 ≤ x ≤ 1) Nanotubes: A Family of Misfit Layered Compounds. <i>ACS Nano</i> , 2020, 14, 5445-5458.	14.6	10
21	Characterization and possible function of an enigmatic reflector in the eye of the shrimp <i>Litopenaeus vannamei</i> . <i>Faraday Discussions</i> , 2020, 223, 278-294.	3.2	2
22	Lattice mode symmetry analysis of the orthorhombic phase of methylammonium lead iodide using polarized Raman. <i>Physical Review Materials</i> , 2020, 4, .	2.4	20
23	Mineral formation in the primary polyps of pocilloporoid corals. <i>Acta Biomaterialia</i> , 2019, 96, 631-645.	8.3	28
24	Simulating Bleaching: Long-Term Adaptation to the Dark Reveals Phenotypic Plasticity of the Mediterranean Sea Coral <i>Oculina patagonica</i> . <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	11
25	Synthesis and characterization of quaternary La(Sr) ₂ TaS ₂ misfit-layered nanotubes. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1112-1124.	2.8	5
26	NIR-to-visible upconversion in quantum dots <i>via</i> a ligand induced charge transfer state. <i>RSC Advances</i> , 2019, 9, 12153-12161.	3.6	8
27	Nanocomposite of Poly(L-Lactic Acid) with Inorganic Nanotubes of WS ₂ . <i>Lubricants</i> , 2019, 7, 28.	2.9	13
28	In-Plane Nanowires with Arbitrary Shapes on Amorphous Substrates by Artificial Epitaxy. <i>ACS Nano</i> , 2019, 13, 5572-5582.	14.6	22
29	Anhydrous \hat{I}^2 -guanine crystals in a marine dinoflagellate: Structure and suggested function. <i>Journal of Structural Biology</i> , 2019, 207, 12-20.	2.8	32
30	The Pteropod <i>Creseis acicula</i> Forms Its Shell through a Disordered Nascent Aragonite Phase. <i>Crystal Growth and Design</i> , 2019, 19, 2564-2573.	3.0	12
31	Guanine and 7,8-Dihydroxanthopterin Reflecting Crystals in the Zander Fish Eye: Crystal Locations, Compositions, and Structures. <i>Journal of the American Chemical Society</i> , 2019, 141, 19736-19745.	13.7	18
32	Band alignment and charge transfer in CsPbBr ₃ @CdSe nanoplatelet hybrids coupled by molecular linkers. <i>Journal of Chemical Physics</i> , 2019, 151, 174704.	3.0	18
33	Optically functional isoxanthopterin crystals in the mirrored eyes of decapod crustaceans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2299-2304.	7.1	39
34	Tubular Hybrids: A Nanoparticle@Molecular Network. <i>Langmuir</i> , 2018, 34, 2464-2470.	3.5	5
35	Controlled Self-Assembly of Photofunctional Supramolecular Nanotubes. <i>ACS Nano</i> , 2018, 12, 317-326.	14.6	40
36	Self-Assembled Hybrid Materials Based on Organic Nanocrystals and Carbon Nanotubes. <i>Advanced Materials</i> , 2018, 30, 1705027.	21.0	22

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37	Bioinspired Photocatalytic Ruthenium Complexes: Synthesis, Optical Properties, and Solvatochromic Effect. <i>ChemPhysChem</i> , 2018, 19, 220-226.	2.1	2
38	A Mechanistic Study of Phase Transformation in Perovskite Nanocrystals Driven by Ligand Passivation. <i>Chemistry of Materials</i> , 2018, 30, 84-93.	6.7	154
39	Nanotubes from the Misfit Compound Alloy $\text{LaS}_{1-x}\text{Nb}_x\text{Ta}_{1-x}\text{S}_2$. <i>Chemistry of Materials</i> , 2018, 30, 8829-8842.	6.7	11
40	Reply to: Characterizing coral skeleton mineralogy with Raman spectroscopy. <i>Nature Communications</i> , 2018, 9, 5324.	12.8	3
41	Deposition of metal coatings containing fullerene-like MoS ₂ nanoparticles with reduced friction and wear. <i>Surface and Coatings Technology</i> , 2018, 353, 116-125.	4.8	16
42	Minerals in the pre-settled coral <i>Stylophora pistillata</i> crystallize via protein and ion changes. <i>Nature Communications</i> , 2018, 9, 1880.	12.8	53
43	Two polymorphic cholesterol monohydrate crystal structures form in macrophage culture models of atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7662-7669.	7.1	46
44	Electrophoretic Deposition of Hydroxyapatite Film Containing Re-Doped MoS ₂ Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2018, 19, 657.	4.1	13
45	Characterization of unusual MgCa particles involved in the formation of foraminifera shells using a novel quantitative cryo SEM/EDS protocol. <i>Acta Biomaterialia</i> , 2018, 77, 342-351.	8.3	26
46	Synthesis and Characterization of Nanotubes from Misfit $(\text{LnS})_{1+y}\text{TaS}_2$ (Ln=Pr, Sm, Gd, Yb) Compounds. <i>Chemistry - A European Journal</i> , 2018, 24, 11354-11363.	3.3	10
47	Determining alloy composition in $\text{Mo}_x\text{W}_{1-x}\text{S}_2$ from low wavenumber Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 773-776.	2.5	10
48	Combination of prostate-specific antigen detection and micro-Raman spectroscopy for confirmatory semen detection. <i>Forensic Science International</i> , 2017, 270, 241-247.	2.2	18
49	Mineral Formation in the Larval Zebrafish Tail Bone Occurs via an Acidic Disordered Calcium Phosphate Phase. <i>Journal of the American Chemical Society</i> , 2016, 138, 14481-14487.	13.7	62
50	Surface Oxidation as a Cause of High Open-Circuit Voltage in CdSe ETA Solar Cells. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400346.	3.7	9
51	Long-Lived Population Inversion in Isovalently Doped Quantum Dots. <i>ACS Nano</i> , 2015, 9, 817-824.	14.6	7
52	Hydrophobic Self-Assembly Affords Robust Noncovalent Polymer Isomers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4123-4126.	13.8	45
53	Supramolecular Nanofibers Self-Assembled from Foldamers: Structure Control through Preassembly. <i>Israel Journal of Chemistry</i> , 2014, 54, 748-758.	2.3	0
54	Exciton Quenching Due to Copper Diffusion Limits the Photocatalytic Activity of CdS/Cu ₂ S Nanorod Heterostructures. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 590-596.	4.6	45

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55	Decoration of WS ₂ Nanotubes and Fullerene-Like MoS ₂ with Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2161-2169.	3.1	57
56	Self-Assembly of Light-Harvesting Crystalline Nanosheets in Aqueous Media. <i>ACS Nano</i> , 2013, 7, 3547-3556.	14.6	58
57	Photocatalysis with hybrid Co-coated WS ₂ nanotubes. <i>Nanomaterials and Energy</i> , 2013, 2, 25-34.	0.2	11
58	How Quickly Does a Hole Relax into an Engineered Defect State in CdSe Quantum Dots. <i>ACS Nano</i> , 2012, 6, 3063-3069.	14.6	14
59	Transparent Gold as a Platform for Adsorbed Protein Spectroelectrochemistry: Investigation of Cytochrome <i>c</i> and Azurin. <i>Langmuir</i> , 2012, 28, 5861-5871.	3.5	18
60	Single Shot Two Dimensional Spectroscopy of Photo-bleachable Molecules. , 2012, , .		0
61	Stiffening of Rabbit Corneas by the Bacteriochlorophyll Derivative WST11 Using Near Infrared Light. , 2012, 53, 6378.		24
62	Exciton-Plasmon Interactions in Quantum Dot-Gold Nanoparticle Structures. <i>Nano Letters</i> , 2012, 12, 4260-4264.	9.1	129
63	Local Oxidative Stress Expansion through Endothelial Cells - A Key Role for Gap Junction Intercellular Communication. <i>PLoS ONE</i> , 2012, 7, e41633.	2.5	36
64	Energetics and dynamics of exciton-exciton interactions in compound colloidal semiconductor quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3210.	2.8	24
65	Supramolecular Polymers in Aqueous Medium: Rational Design Based on Directional Hydrophobic Interactions. <i>Journal of the American Chemical Society</i> , 2011, 133, 16201-16211.	13.7	84
66	Zinc-Bacteriochlorophyllide Dimers in de Novo Designed Four-Helix Bundle Proteins. A Model System for Natural Light Energy Harvesting and Dissipation. <i>Journal of the American Chemical Society</i> , 2011, 133, 9526-9535.	13.7	39
67	An Upper Bound to Carrier Multiplication Efficiency in Type II Colloidal Quantum Dots. <i>Nano Letters</i> , 2010, 10, 164-170.	9.1	76
68	Photofunctional Self-Assembled Nanostructures Formed by Perylene Diimide-Gold Nanoparticle Hybrids. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14389-14396.	2.6	12
69	Economical Design in Noncovalent Nanoscale Synthesis: Diverse Photofunctional Nanostructures Based on a Single Covalent Building Block. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 926-930.	13.8	84
70	Supramolecular Gel Based on a Perylene Diimide Dye: Multiple Stimuli Responsiveness, Robustness, and Photofunction. <i>Journal of the American Chemical Society</i> , 2009, 131, 14365-14373.	13.7	205
71	Photocatalytic Generation of Oxygen Radicals by the Water-Soluble Bacteriochlorophyll Derivative WST11, Noncovalently Bound to Serum Albumin. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8027-8037.	2.5	119
72	Control over Self-Assembly through Reversible Charging of the Aromatic Building Blocks in Photofunctional Supramolecular Fibers. <i>Journal of the American Chemical Society</i> , 2008, 130, 14966-14967.	13.7	105

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73	Detection of Light Images by Simple Tissues as Visualized by Photosensitized Magnetic Resonance Imaging. PLoS ONE, 2007, 2, e1191.	2.5	10
74	Vibrational polarization beats in femtosecond coherent anti-Stokes Raman spectroscopy: A signature of dissociative pumpâ€“dumpâ€“pump wave packet dynamics. Journal of Chemical Physics, 2001, 115, 8440-8454.	3.0	48
75	Preparation and monitoring of high-ground-state vibrational wavepackets by femtosecond coherent anti-Stokes Raman scattering. Journal of Chemical Physics, 2001, 115, 236-244.	3.0	31
76	Two-dimensional time-delayed coherent anti-Stokes Raman spectroscopy and wavepacket dynamics of high ground-state vibrations. Journal of Raman Spectroscopy, 2000, 31, 51-58.	2.5	37
77	Structural Changes in Early Photolysis Intermediates of Rhodopsin from Time-Resolved Spectral Measurements of Artificial Pigments Sterically Hindered along the Chromophore Chain. Journal of the American Chemical Society, 1995, 117, 918-923.	13.7	26
78	Two dimensional time delay approach to femtosecond wavepacket dynamics and population transfer. , 0, , .		0
79	Ultrafast preparation and CARS monitoring of ground state dynamics. , 0, , .		0