# 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 | Supramolecular Gel Based on a Perylene Diimide Dye: Multiple Stimuli Responsiveness, Robustness, and Photofunction. Journal of the American Chemical Society, 2009, 131, 14365-14373. | 13.7 | 205 |
| 2 | A Mechanistic Study of Phase Transformation in Perovskite Nanocrystals Driven by Ligand Passivation. Chemistry of Materials, 2018, 30, 84-93. | 6.7 | 154 |
| 3 | Airborne microplastic particles detected in the remote marine atmosphere. Communications Earth & Environment, 2020, 1, . | 6.8 | 131 |
| 4 | Excitonâ€“Plasmon Interactions in Quantum Dotâ€“Gold Nanoparticle Structures. Nano Letters, 2012, 12, 4260-4264. | 9.1 | 129 |
| 5 | Photocatalytic Generation of Oxygen Radicals by the Water-Soluble Bacteriochlorophyll Derivative WST11, Noncovalently Bound to Serum Albumin. Journal of Physical Chemistry A, 2009, 113, 8027-8037. | 2.5 | 119 |
| 6 | Control over Self-Assembly through Reversible Charging of the Aromatic Building Blocks in Photofunctional Supramolecular Fibers. Journal of the American Chemical Society, 2008, 130, 14966-14967. | 13.7 | 105 |
| 7 | Economical Design in Noncovalent Nanoscale Synthesis: Diverse Photofunctional Nanostructures Based on a Single Covalent Building Block. Angewandte Chemie - International Edition, 2009, 48, 926-930. | 13.8 | 84 |
| 8 | Supramolecular Polymers in Aqueous Medium: Rational Design Based on Directional Hydrophobic Interactions. Journal of the American Chemical Society, 2011, 133, 16201-16211. | 13.7 | 84 |
| 9 | An Upper Bound to Carrier Multiplication Efficiency in Type II Colloidal Quantum Dots. Nano Letters, 2010, 10, 164-170. | 9.1 | 76 |
| 10 | Mineral Formation in the Larval Zebrafish Tail Bone Occurs via an Acidic Disordered Calcium Phosphate Phase. Journal of the American Chemical Society, 2016, 138, 14481-14487. | 13.7 | 62 |
| 11 | Self-Assembly of Light-Harvesting Crystalline Nanosheets in Aqueous Media. ACS Nano, 2013, 7, 3547-3556. | 14.6 | 58 |
| 12 | Decoration of WS<sub>2</sub> Nanotubes and Fullerene-Like MoS<sub>2</sub> with Gold Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 2161-2169. | 3.1 | 57 |
| 13 | Minerals in the pre-settled coral Stylophora pistillata crystallize via protein and ion changes. Nature Communications, 2018, 9, 1880. | 12.8 | 53 |
| 14 | Eppur si Muove: Proton Diffusion in Halide Perovskite Single Crystals. Advanced Materials, 2020, 32, e2002467. | 21.0 | 50 |
| 15 | 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 |
| 16 | Two polymorphic cholesterol monohydrate crystal structures form in macrophage culture models of atherosclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7662-7669. | 7.1 | 46 |
| 17 | Hydrophobic Selfâ€Assembly Affords Robust Noncovalent Polymer Isomers. Angewandte Chemie - International Edition, 2014, 53, 4123-4126. | 13.8 | 45 |
| 18 | Exciton Quenching Due to Copper Diffusion Limits the Photocatalytic Activity of CdS/Cu<sub>2</sub>S Nanorod Heterostructures. Journal of Physical Chemistry Letters, 2014, 5, 590-596. | 4.6 | 45 |

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|---|---|---|---|
| 19 | Controlled Self-Assembly of Photofunctional Supramolecular Nanotubes. ACS Nano, 2018, 12, 317-326. | 14.6 | 40 |
| 20 | Zinc-Bacteriochlorophyllide Dimers in de Novo Designed Four-Helix Bundle Proteins. A Model System for Natural Light Energy Harvesting and Dissipation. Journal of the American Chemical Society, 2011, 133, 9526-9535. | 13.7 | 39 |
| 21 | Optically functional isoxanthopterin crystals in the mirrored eyes of decapod crustaceans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2299-2304. | 7.1 | 39 |
| 22 | 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 |
| 23 | Local Oxidative Stress Expansion through Endothelial Cells â€“ A Key Role for Gap Junction Intercellular Communication. PLoS ONE, 2012, 7, e41633. | 2.5 | 36 |
| 24 | MoS<sub>2</sub> and WS<sub>2</sub> Nanotubes: Synthesis, Structural Elucidation, and Optical Characterization. Journal of Physical Chemistry C, 2021, 125, 6324-6340. | 3.1 | 35 |
| 25 | Anhydrous Î²-guanine crystals in a marine dinoflagellate: Structure and suggested function. Journal of Structural Biology, 2019, 207, 12-20. | 2.8 | 32 |
| 26 | 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 |
| 27 | Mineral formation in the primary polyps of pocilloporoid corals. Acta Biomaterialia, 2019, 96, 631-645. | 8.3 | 28 |
| 28 | Biomineralization pathways in calcifying dinoflagellates: Uptake, storage in MgCaP-rich bodies and formation of the shell. Acta Biomaterialia, 2020, 102, 427-439. | 8.3 | 27 |
| 29 | 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 |
| 30 | Characterization of unusual MgCa particles involved in the formation of foraminifera shells using a novel quantitative cryo SEM/EDS protocol. Acta Biomaterialia, 2018, 77, 342-351. | 8.3 | 26 |
| 31 | Sizeâ€Dependent Control of Excitonâ€“Polariton Interactions in WS<sub>2</sub> Nanotubes. Small, 2020, 16, e1904390. | 10.0 | 26 |
| 32 | Energetics and dynamics of excitonâ€“exciton interactions in compound colloidal semiconductor quantum dots. Physical Chemistry Chemical Physics, 2011, 13, 3210. | 2.8 | 24 |
| 33 | Stiffening of Rabbit Corneas by the Bacteriochlorophyll Derivative WST11 Using Near Infrared Light. , 2012, 53, 6378. | | 24 |
| 34 | Selfâ€Assembled Hybrid Materials Based on Organic Nanocrystals and Carbon Nanotubes. Advanced Materials, 2018, 30, 1705027. | 21.0 | 22 |
| 35 | In-Plane Nanowires with Arbitrary Shapes on Amorphous Substrates by Artificial Epitaxy. ACS Nano, 2019, 13, 5572-5582. | 14.6 | 22 |
| 36 | Lattice mode symmetry analysis of the orthorhombic phase of methylammonium lead iodide using polarized Raman. Physical Review Materials, 2020, 4, . | 2.4 | 20 |

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|---|---|---|---|
| 37 | Transparent Gold as a Platform for Adsorbed Protein Spectroelectrochemistry: Investigation of Cytochrome c and Azurin. Langmuir, 2012, 28, 5861-5871. | 3.5 | 18 |
| 38 | Combination of prostate-specific antigen detection and micro-Raman spectroscopy for confirmatory semen detection. Forensic Science International, 2017, 270, 241-247. | 2.2 | 18 |
| 39 | Guanine and 7,8-Dihydroxanthopterin Reflecting Crystals in the Zander Fish Eye: Crystal Locations, Compositions, and Structures. Journal of the American Chemical Society, 2019, 141, 19736-19745. | 13.7 | 18 |
| 40 | Band alignment and charge transfer in CsPbBr3â€“CdSe nanoplatelet hybrids coupled by molecular linkers. Journal of Chemical Physics, 2019, 151, 174704. | 3.0 | 18 |
| 41 | Inducing Defects in <sup>19</sup>F-Nanocrystals Provides Paramagnetic-free Relaxation Enhancement for Improved In Vivo Hotspot MRI. Nano Letters, 2020, 20, 7207-7212. | 9.1 | 18 |
| 42 | Deposition of metal coatings containing fullerene-like MoS2 nanoparticles with reduced friction and wear. Surface and Coatings Technology, 2018, 353, 116-125. | 4.8 | 16 |
| 43 | Nanotubes from Ternary WS<sub>2(1â€“x)</sub>Se<sub>2x</sub> Alloys: Stoichiometry Modulated Tunable Optical Properties. Journal of the American Chemical Society, 2022, 144, 10530-10542. | 13.7 | 15 |
| 44 | How Quickly Does a Hole Relax into an Engineered Defect State in CdSe Quantum Dots. ACS Nano, 2012, 6, 3063-3069. | 14.6 | 14 |
| 45 | Electrophoretic Deposition of Hydroxyapatite Film Containing Re-Doped MoS2 Nanoparticles. International Journal of Molecular Sciences, 2018, 19, 657. | 4.1 | 13 |
| 46 | Nanocomposite of Poly(l-Lactic Acid) with Inorganic Nanotubes of WS2. Lubricants, 2019, 7, 28. | 2.9 | 13 |
| 47 | Photofunctional Self-Assembled Nanostructures Formed by Perylene Diimideâ^'Gold Nanoparticle Hybridsâ€. Journal of Physical Chemistry B, 2010, 114, 14389-14396. | 2.6 | 12 |
| 48 | The PteropodCreseis aciculaForms Its Shell through a Disordered Nascent Aragonite Phase. Crystal Growth and Design, 2019, 19, 2564-2573. | 3.0 | 12 |
| 49 | Photocatalysis with hybrid Co-coated WS<sub>2</sub> nanotubes. Nanomaterials and Energy, 2013, 2, 25-34. | 0.2 | 11 |
| 50 | Nanotubes from the Misfit Compound Alloy LaS-Nb<sub>x</sub>Ta<sub>(1â€“x)</sub>S<sub>2</sub>. Chemistry of Materials, 2018, 30, 8829-8842. | 6.7 | 11 |
| 51 | Simulating Bleaching: Long-Term Adaptation to the Dark Reveals Phenotypic Plasticity of the Mediterranean Sea Coral Oculina patagonica. Frontiers in Marine Science, 2019, 6, . | 2.5 | 11 |
| 52 | Determining alloy composition in Mo<sub>x</sub>W<sub>(1Ââ^Âx)</sub>S<sub>2</sub> from low wavenumber Raman spectroscopy. Journal of Raman Spectroscopy, 2017, 48, 773-776. | 2.5 | 10 |
| 53 | Synthesis and Characterization of Nanotubes from Misfit (LnS)<sub>1+y</sub>TaS<sub>2</sub> (Ln=Pr, Sm, Gd, Yb) Compounds. Chemistry - A European Journal, 2018, 24, 11354-11363. | 3.3 | 10 |
| 54 | YS-TaS2 and YxLa1â€“xS-TaS2 (0 â‰¤ x â‰¤ 1) Nanotubes: A Family of Misfit Layered Compounds. ACS Nano, 2020, 14, 5445-5458. | 14.6 | 10 |

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|---|---|---|---|
| 55 | Estimating temperatures of heated Lower Palaeolithic flint artefacts. Nature Human Behaviour, 2021, 5, 221-228. | 12.0 | 10 |
| 56 | Detection of Light Images by Simple Tissues as Visualized by Photosensitized Magnetic Resonance Imaging. PLoS ONE, 2007, 2, e1191. | 2.5 | 10 |
| 57 | Surface Oxidation as a Cause of High Openâ€Circuit Voltage in CdSe ETA Solar Cells. Advanced Materials Interfaces, 2015, 2, 1400346. | 3.7 | 9 |
| 58 | NIR-to-visible upconversion in quantum dots via a ligand induced charge transfer state. RSC Advances, 2019, 9, 12153-12161. | 3.6 | 8 |
| 59 | Long-Lived Population Inversion in Isovalently Doped Quantum Dots. ACS Nano, 2015, 9, 817-824. | 14.6 | 7 |
| 60 | Tubular Hybrids: A Nanoparticleâ€"Molecular Network. Langmuir, 2018, 34, 2464-2470. | 3.5 | 5 |
| 61 | Synthesis and characterization of quaternary La(Sr)Sâ€"TaS<sub>2</sub> misfit-layered nanotubes. Beilstein Journal of Nanotechnology, 2019, 10, 1112-1124. | 2.8 | 5 |
| 62 | Calcium Sulfate Hemihydrate (Bassanite) Crystals in the Wood of the Tamarix Tree. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.0 | 5 |
| 63 | Quaternary LnxLa(1-x)S-TaS2 nanotubes (Ln=Pr, Sm, Ho, and Yb) as a vehicle for improving the yield of misfit nanotubes. Applied Materials Today, 2020, 19, 100581. | 4.3 | 4 |
| 64 | Poly(L-lactic acid) Reinforced with Hydroxyapatite and Tungsten Disulfide Nanotubes. Polymers, 2021, 13, 3851. | 4.5 | 4 |
| 65 | Structural organization of xanthine crystals in the median ocellus of a member of the ancestral insect group Archaeognatha. Journal of Structural Biology, 2022, 214, 107834. | 2.8 | 4 |
| 66 | Exploring Coral Calcification by Calcium Carbonate Overgrowth Experiments. Crystal Growth and Design, 2022, 22, 5045-5053. | 3.0 | 4 |
| 67 | Reply to: Characterizing coral skeleton mineralogy with Raman spectroscopy. Nature Communications, 2018, 9, 5324. | 12.8 | 3 |
| 68 | Decreased Riboflavin Impregnation Time Does Not Increase the Risk for Endothelial Phototoxicity During Corneal Cross-Linking. Translational Vision Science and Technology, 2020, 9, 4. | 2.2 | 3 |
| 69 | Control over size, shape, and photonics of self-assembled organic nanocrystals. Beilstein Journal of Organic Chemistry, 2021, 17, 42-51. | 2.2 | 3 |
| 70 | A polarized micro-Raman study of necked epoxy fibers. Polymer, 2021, 230, 124034. | 3.8 | 3 |
| 71 | Bioâ€inspired Photocatalytic Ruthenium Complexes: Synthesis, Optical Properties, and Solvatochromic Effect. ChemPhysChem, 2018, 19, 220-226. | 2.1 | 2 |
| 72 | Noncovalent Bonding Caught in Action: From Amorphous to Cocrystalline Molecular Thin Films. ACS Nano, 2021, 15, 14643-14652. | 14.6 | 2 |

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|---|---|---|---|
| 73 | Characterization and possible function of an enigmatic reflector in the eye of the shrimp Litopenaeus vannamei. Faraday Discussions, 2020, 223, 278-294. | 3.2 | 2 |
| 74 | Sclerites of the soft coral Ovabunda macrospiculata (Xeniidae) are predominantly the metastable CaCO3 polymorph vaterite. Acta Biomaterialia, 2021, 135, 663-670. | 8.3 | 1 |
| 75 | Two dimensional time delay approach to femtosecond wavepacket dynamics and population transfer. , 0, , . | | 0 |
| 76 | Ultrafast preparation and CARS monitoring of ground state dynamics. , 0, , . | | 0 |
| 77 | Single Shot Two Dimensional Spectroscopy of Photo-bleachable Molecules. , 2012, , . | | 0 |
| 78 | Supramolecular Nanofibers Selfâ€Assembled from Foldamers: Structure Control through Preassembly. Israel Journal of Chemistry, 2014, 54, 748-758. | 2.3 | 0 |
| 79 | Nanotubes: Sizeâ€Dependent Control of Excitonâ€“Polariton Interactions in WS<sub>2</sub> Nanotubes (Small 4/2020). Small, 2020, 16, 2070022. | 10.0 | 0 |