# Alexis D Ostrowski

List of Publications by Year
in descending order



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|---|---|---|---|
| 34 papers | 2,064 citations | 430754 18 h-index | 414303 32 g-index |
| 35 all docs | 35 docs citations | 35 times ranked | 3098 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Photoreactivity and Enhanced Mechanical Properties and Water Stability in Polysaccharide-Based Films Using Vanadium Ion Coordination. ACS Applied Polymer Materials, 2022, 4, 859-867. | 2.0 | 3 |
| 2 | Real-Time and In Situ Viscosity Monitoring in Industrial Adhesives Using Luminescent Cu(I) Phenanthroline Molecular Sensors. ACS Applied Materials & Interfaces, 2022, 14, 33976-33983. | 4.0 | 0 |
| 3 | Synthesis and crystal structure of catena-poly[[tetra-Î¼-acetato-copper(II)]-Î¼-6-ethoxy-N<sup>2</sup>,N<sup>4</sup>-bis[2-(pyridin-2-yl)ethyl]-1,3,5-triazine-2,4-diamine]. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 319-323. | 0.2 | 0 |
| 4 | Fe(III)-polyuronic acid photochemistry: radical chemistry in natural polysaccharide. Photochemical and Photobiological Sciences, 2021, 20, 255-263. | 1.6 | 2 |
| 5 | Harnessing Fe(III)â€“Carboxylate Photochemistry for Radical-Initiated Polymerization in Hydrogels. ACS Applied Bio Materials, 2021, 4, 5765-5775. | 2.3 | 0 |
| 6 | Photoactive siderophores: Structure, function and biology. Journal of Inorganic Biochemistry, 2021, 221, 111457. | 1.5 | 12 |
| 7 | Invisibility Cloaks and Hot Reactions: Applying Infrared Thermography in the Chemistry Education Laboratory. Journal of Chemical Education, 2020, 97, 710-718. | 1.1 | 10 |
| 8 | Nutrient Capture from Aqueous Waste and Photocontrolled Fertilizer Delivery to Tomato Plants Using Fe(III)â€“Polysaccharide Hydrogels. ACS Omega, 2020, 5, 23009-23020. | 1.6 | 7 |
| 9 | Reclaiming Phosphate from Waste Solutions with Fe(III)â€“Polysaccharide Hydrogel Beads for Photo-Controlled-Release Fertilizer. Journal of Agricultural and Food Chemistry, 2019, 67, 12155-12163. | 2.4 | 28 |
| 10 | Supramolecular elastomers: Switchable mechanical properties and tuning photohealing with changes in supramolecular interactions. Journal of Polymer Science Part A, 2018, 56, 1003-1011. | 2.5 | 3 |
| 11 | Generating Photonastic Work from Irradiated Dyes in Electrospun Nanofibrous Polymer Mats. ACS Applied Materials & Interfaces, 2018, 10, 37470-37477. | 4.0 | 4 |
| 12 | MÃ¶ssbauer Spectroscopic Characterization of Iron(III)â€“Polysaccharide Coordination Complexes: Photochemistry, Biological, and Photoresponsive Materials Implications. Inorganic Chemistry, 2017, 56, 11524-11531. | 1.9 | 12 |
| 13 | Plasmon-Induced Energy Transfer: When the Game Is Worth the Candle. ACS Photonics, 2017, 4, 2290-2297. | 3.2 | 20 |
| 14 | Restricted Photoinduced Conformational Change in the Cu(I) Complex for Sensing Mechanical Properties. ACS Macro Letters, 2017, 6, 920-924. | 2.3 | 12 |
| 15 | Changing Mechanical Strength in Cr(III)- Metallosupramolecular Polymers with Ligand Groups and Light Irradiation. Inorganic Chemistry, 2016, 55, 5430-5437. | 1.9 | 19 |
| 16 | Photoresponsive Polysaccharide-Based Hydrogels with Tunable Mechanical Properties for Cartilage Tissue Engineering. ACS Applied Materials & Interfaces, 2016, 8, 14423-14429. | 4.0 | 52 |
| 17 | Light-controlled release of nitric oxide from solid polymer composite materials using visible and near infra-red light. Photochemical and Photobiological Sciences, 2015, 14, 775-785. | 1.6 | 26 |
| 18 | Light-Responsive Iron(III)â€“Polysaccharide Coordination Hydrogels for Controlled Delivery. ACS Applied Materials & Interfaces, 2015, 7, 3068-3076. | 4.0 | 108 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Photopatterning the Mechanical Properties of Polysaccharide-Containing Gels Using Fe<sup>3+</sup> coordination. Chemistry of Materials, 2015, 27, 4922-4925. | 3.2 | 32 |
| 20 | Exciton Generation in Semiconductor Nanocrystals via the Near-Field Plasmon Energy Transfer. Journal of Physical Chemistry C, 2015, 119, 15562-15571. | 1.5 | 18 |
| 21 | Photo-Controlled Release of NO and CO with Inorganic and Organometallic Complexes. Structure and Bonding, 2014, , 1-45. | 1.0 | 9 |
| 22 | Engineering bright sub-10-nm upconverting nanocrystals for single-molecule imaging. Nature Nanotechnology, 2014, 9, 300-305. | 15.6 | 499 |
| 23 | Plasmonic Nanocrystal Solar Cells Utilizing Strongly Confined Radiation. ACS Nano, 2014, 8, 12549-12559. | 7.3 | 50 |
| 24 | Liposome Encapsulation of a Photochemical NO Precursor for Controlled Nitric Oxide Release and Simultaneous Fluorescence Imaging. Molecular Pharmaceutics, 2012, 9, 2950-2955. | 2.3 | 45 |
| 25 | Controlled Synthesis and Single-Particle Imaging of Bright, Sub-10 nm Lanthanide-Doped Upconverting Nanocrystals. ACS Nano, 2012, 6, 2686-2692. | 7.3 | 296 |
| 26 | Combinatorial Discovery of Lanthanide-Doped Nanocrystals with Spectrally Pure Upconverted Emission. Nano Letters, 2012, 12, 3839-3845. | 4.5 | 256 |
| 27 | Quantum Dot Photoluminescence Quenching by Cr(III) Complexes. Photosensitized Reactions and Evidence for a FRET Mechanism. Journal of the American Chemical Society, 2012, 134, 13266-13275. | 6.6 | 51 |
| 28 | Photochemistry of trans-Cr(cyclam)(ONO)<sub>2</sub><sup>+</sup>, a Nitric Oxide Precursor. Inorganic Chemistry, 2011, 50, 4453-4462. | 1.9 | 33 |
| 29 | Nitric Oxide Photogeneration from trans-Cr(cyclam)(ONO)<sub>2</sub><sup>+</sup> in a Reducing Environment. Activation of Soluble Guanylyl Cyclase and Arterial Vasorelaxation. Journal of Medicinal Chemistry, 2010, 53, 715-722. | 2.9 | 39 |
| 30 | Nanotoxicology: characterizing the scientific literature, 2000â€“2007. Journal of Nanoparticle Research, 2009, 11, 251-257. | 0.8 | 78 |
| 31 | Metal complexes as photochemical nitric oxide precursors: Potential applications in the treatment of tumors. Dalton Transactions, 2009, , 10660. | 1.6 | 165 |
| 32 | Diameter-Controlled Synthesis of Polyaniline Nanofibers. Polymer Bulletin, 2008, 61, 563-568. | 1.7 | 15 |
| 33 | Quantum Dot Fluorescence Quenching Pathways with Cr(III) Complexes. Photosensitized NO Production from trans-Cr(cyclam)(ONO)<sub>2</sub><sup>+</sup>. Journal of the American Chemical Society, 2008, 130, 168-175. | 6.6 | 92 |
| 34 | Photosensitized NO Release from Water-Soluble Nanoparticle Assemblies. Journal of the American Chemical Society, 2007, 129, 4146-4147. | 6.6 | 62 |