

Augustine Urbas

List of Publications by Year in descending order

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16
papers

1,418
citations

516710

16
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1166
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible Photoswitchable Axially Chiral Dopants with High Helical Twisting Power. <i>Journal of the American Chemical Society</i> , 2007, 129, 12908-12909.	13.7	225
2	Light-driven nanoscale chiral molecular switch: reversible dynamic full range color phototuning. <i>Chemical Communications</i> , 2010, 46, 3463.	4.1	174
3	Reversible Light-Directed Red, Green, and Blue Reflection with Thermal Stability Enabled by a Self-Organized Helical Superstructure. <i>Journal of the American Chemical Society</i> , 2012, 134, 9573-9576.	13.7	149
4	Reversible Visible-Light Tuning of Self-Organized Helical Superstructures Enabled by Unprecedented Light-Driven Axially Chiral Molecular Switches. <i>Journal of the American Chemical Society</i> , 2012, 134, 3342-3345.	13.7	137
5	One-Dimensionally Periodic Dielectric Reflectors from Self-Assembled Block Copolymer~Homopolymer Blends. <i>Macromolecules</i> , 1999, 32, 4748-4750.	4.8	131
6	Photodynamic Chiral Molecular Switches with Thermal Stability: From Reflection Wavelength Tuning to Handedness Inversion of Self-Organized Helical Superstructures. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13703-13707.	13.8	129
7	Optically Switchable Liquid Crystal Photonic Structures. <i>Journal of the American Chemical Society</i> , 2004, 126, 13580-13581.	13.7	89
8	A photoswitchable and thermally stable axially chiral dithienylperfluorocyclopentene dopant with high helical twisting power. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3917.	5.5	51
9	Light-driven molecular switches with tetrahedral and axial chirality. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3930.	2.8	50
10	Near-Infrared Light-Directed Handedness Inversion in Plasmonic Nanorod-Embedded Helical Superstructure. <i>Advanced Optical Materials</i> , 2016, 4, 247-251.	7.3	49
11	Light-Driven Reversible Alignment Switching of Liquid Crystals Enabled by Azo Thiol Grafted Gold Nanoparticles. <i>ChemPhysChem</i> , 2015, 16, 1852-1856.	2.1	47
12	Synthesis and Characterization of Thermally Irreversible Photochromic Cholesteric Liquid Crystals. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3409-3415.	2.6	46
13	Synthesis and Characterization of Light-Driven Dithienylcyclopentene Switches with Axial Chirality. <i>Journal of Organic Chemistry</i> , 2011, 76, 7148-7156.	3.2	46
14	Rationally Designed Axially Chiral Diarylethene Switches with High Helical Twisting Power. <i>Chemistry - A European Journal</i> , 2014, 20, 16286-16292.	3.3	32
15	Photomodulated Self-Assembly of Hydrophobic Thiol Monolayer-Protected Gold Nanorods and Their Alignment in Thermotropic Liquid Crystal. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21603-21608.	3.1	25
16	Fourier analysis near-field polarimetry for measurement of local optical properties of thin films. <i>Applied Optics</i> , 2003, 42, 3864.	2.1	10