

Perspective and potential of smart optical materials

Smart Materials and Structures

26, 093001

DOI: [10.1088/1361-665x/aa7c32](https://doi.org/10.1088/1361-665x/aa7c32)

Citation Report

#	ARTICLE	IF	CITATIONS
1	A Robust Soft Lens for Tunable Camera Application Using Dielectric Elastomer Actuators. <i>Soft Robotics</i> , 2018, 5, 777-782.	4.6	36
2	Soft piezoelectric polymer of poly[di(ethylene glycol) adipate] plasticized poly vinyl chloride and its strain sensing. <i>Materials Letters</i> , 2018, 227, 276-280.	1.3	15
3	Morphology induced plasmonic-excitonic interaction revealed by pump-probe spectroscopy. <i>Optics and Laser Technology</i> , 2019, 119, 105674.	2.2	4
4	Single-â€œstimulusâ€œ-induced Modulation of Multiple Optical Properties. <i>Advanced Materials</i> , 2019, 31, e1900388.	11.1	39
5	Dynamic Tuning of Optical Transmittance of 1D Colloidal Assemblies of Magnetic Nanostructures. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900099.	3.3	12
6	Monolithic focus-tunable lens technology enabled by disk-type dielectric-elastomer actuators. <i>Scientific Reports</i> , 2020, 10, 16937.	1.6	16
7	Development of solvent-free green PVC gel based varifocal micro-lens. <i>Smart Materials and Structures</i> , 2020, 29, 085049.	1.8	6
8	Organocatalytic Ring-Opening Polymerization Toward Poly(ϵ -caprolactone)s with Tunable Lower Critical Solution Temperatures. <i>Macromolecules</i> , 2020, 53, 5096-5104.	2.2	17
9	Poly(N-isopropylacrylamide)-based smart hydrogels: Design, properties and applications. <i>Progress in Materials Science</i> , 2021, 115, 100702.	16.0	402
10	Refractive Index Change of Cellulose Nanocrystal-Based Electroactive Polyurethane by an Electric Field. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 606008.	2.0	1
11	Seven-Coordinate Tb ³⁺ Complexes with 90% Quantum Yields: High-Performance Examples of Combined Singlet- and Triplet-to-Tb ³⁺ Energy-Transfer Pathways. <i>Inorganic Chemistry</i> , 2021, 60, 892-907.	1.9	33
12	A Review: All Solid-state Electroactive Polymer-based Tunable Lens. <i>The Journal of Korea Robotics Society</i> , 2021, 16, 41-48.	0.2	0
13	Transparent and Flexible Photon Sieve Made with Cellulose Nanofiber by Micro-Nano Structure Molding. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2022, 9, 1165-1175.	2.7	2
14	Visible-â€œMIR broadband modulating electrochromic metal oxidesâ€œ-based coating for thermal management. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2143-2157.	1.9	14
15	Development of G-Fresnel lens-based mu-spectrometer. , 2019, , .		1
16	Recent Advances in Bioinspired Hydrogels: Materials, Devices, and Biosignal Computing. <i>ACS Biomaterials Science and Engineering</i> , 2023, 9, 2048-2069.	2.6	27
17	Pockels cells-based intensity modulation using multiple biasing signals on a single-carrier light beam. <i>Journal of Optics (India)</i> , 2022, 51, 283-288.	0.8	2
18	Three-Dimensional Printing of Liquid Crystals with Thermal Sensing Capability via Multimaterial Vat Photopolymerization. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2951-2959.	2.0	16

#	ARTICLE	IF	CITATIONS
19	All-optical method for measuring the electrical parameters of passive electronic elements with active use of Pockels cells. Journal of Optics (India), 2023, 52, 944-948.	0.8	4
20	An alternating approach of using multi-passing technique for development of massive phase difference between two orthogonal components of light in an electro-optic Pockels cell. Journal of Optics (India), 2023, 52, 317-322.	0.8	3
21	Emerging Electrochromic Materials and Devices for Future Displays. Chemical Reviews, 2022, 122, 14679-14721.	23.0	175
22	Effect of electrode design and dust particle size on electrodynamic dust shield procedure. Physics Open, 2023, 14, 100131.	0.7	6
23	Broadband multispectral compatible absorbers for radar, infrared and visible stealth application. Progress in Materials Science, 2023, 135, 101088.	16.0	147
24	New Family of Luminescent Tetranuclear Lanthanide-Based Gernsesquioxanes: Luminescence and Temperature Sensing. Organometallics, 0, , .	1.1	1