Ana ViÃ±uales

List of Publications by Year
in descending order

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24 papers	855 citations	567281 15 h-index	677142 22 g-index
25 all docs	25 docs citations	25 times ranked	962 citing authors

#	Article	IF	Citations
1	Multicolor Electrochromics: Rainbow-Like Devices. ACS Applied Materials & Interfaces, 2016, 8, 14795-14801.	8.0	126
2	Flexible Viologen Electrochromic Devices with Low Operational Voltages Using Reduced Graphene Oxide Electrodes. ACS Applied Materials & Interfaces, 2014, 6, 14562-14567.	8.0	100
3	All-in-One Gel-Based Electrochromic Devices: Strengths and Recent Developments. Materials, 2018, 11, 414.	2.9	89
4	Colorless to Neutral Color Electrochromic Devices Based on Asymmetric Viologens. ACS Applied Materials & Interfaces, 2016, 8, 29619-29627.	8.0	78
5	Novel, smart and RFID assisted critical temperature indicator for supply chain monitoring. Journal of Food Engineering, 2017, 193, 20-28.	5.2	69
6	A new standard method to calculate electrochromic switching time. Solar Energy Materials and Solar Cells, 2018, 185, 54-60.	6.2	62
7	Polyvinyl Alcoholâ€“Borax Slime as Promising Polyelectrolyte for Highâ€Performance, Easyâ€toâ€Make Electrochromic Devices. ChemElectroChem, 2015, 2, 218-223.	3.4	58
8	Colorlessâ€toâ€Black/Gray Electrochromic Devices Based on Single 1â€Alkylâ€1â€²â€Aryl Asymmetric Viologenâ€Modified Monolayered Electrodes. Advanced Optical Materials, 2017, 5, 1600989.	7.3	57
9	Synthesis, thermal and optical properties of liquid crystalline terpolymers containing azobenzene and dye moieties. Polymer, 2005, 46, 9230-9242.	3.8	40
10	Plastic electrochromic devices based on viologen-modified TiO2 films prepared at low temperature. Solar Energy Materials and Solar Cells, 2016, 157, 624-635.	6.2	34
11	Highly transparent electrochromic plastic device that changes to purple and to blue by increasing the potential. Solar Energy Materials and Solar Cells, 2009, 93, 2093-2097.	6.2	23
12	Frequency and Temperature Dependence of Fabrication Parameters in Polymer Dispersed Liquid Crystal Devices. Materials, 2014, 7, 3512-3521.	2.9	23
13	All-in-one Layer: Anisotropic Emission due to Light-Induced Orientation of a Multifunctional Polymer. Macromolecular Rapid Communications, 2007, 28, 932-936.	3.9	22
14	Consecutive anchoring of symmetric viologens: Electrochromic devices providing colorless to neutral-color switching. Solar Energy Materials and Solar Cells, 2018, 177, 110-119.	6.2	20
15	The reduction mechanism of p-cyanophenylviologen in PVA-borax gel polyelectrolyte-based bicolor electrochromic devices. Electrochimica Acta, 2018, 292, 81-87.	5.2	15
16	Room-Temperature Self-Standing Cellulose-Based Hydrogel Electrolytes for Electrochemical Devices. Polymers, 2020, 12, 2686.	4.5	11
17	Cyclopalladated Azo- and Azoxybenzene Mononuclear Complexes Containing a Chiral Chelating Ligand. Molecular Crystals and Liquid Crystals, 2007, 465, 59-70.	0.9	10
18	Thickness-Dependent Coloration Properties of Glass-Substrate Viologen-Based Electrochromic Devices. IEEE Photonics Journal, 2012, 4, 2105-2115.	2.0	6

#	Article	IF	Citations
19	Spectroelectrochemical study of alkyl-aryl asymmetric viologens in poly(vinyl alcohol) (PVA) â€“ borax electrolyte. Electrochimica Acta, 2019, 323, 134792.	5.2	6
20	Control of disability glare by means of electrochromic filtering glasses: A pilot study. Journal of Innovative Optical Health Sciences, 2017, 10, 1650028.	1.0	2
21	Oneâ€Step Preparation of Viologenâ€TiO₂ Nanoparticles via a Hydrothermally Assisted Solâ€“Gel Process for Use in Electrochromic Films and Devices. Particle and Particle Systems Characterization, 2018, 35, 1800142.	2.3	2
22	Driving Signals Optimization for Viologen-Based Electrochromic Vision Devices. IEEE Sensors Journal, 2019, 19, 1740-1747.	4.7	2
23	Dependence on the parameters of the equivalent electrical circuit model with the thickness of viologen-based electrochromic mixture on glass substrate devices. Materials Research Society Symposia Proceedings, 2011, 1328, 30401.	0.1	0
24	Polyvinyl Alcohol-Borax Slime as Promising Polyelectrolyte for High-Performance, Easy-to-Make Electrochromic Devices. ChemElectroChem, 2015, 2, 175-175.	3.4	0