Lan Sheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8119500/publications.pdf

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24	1,643	567281 15	610901 24
papers	citations	h-index	g-index

26	26	26	2449
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carbon Dots with Continuously Tunable Full-Color Emission and Their Application in Ratiometric pH Sensing. Chemistry of Materials, 2014, 26, 3104-3112.	6.7	791
2	Hydrochromic molecular switches for water-jet rewritable paper. Nature Communications, 2014, 5, 3044.	12.8	211
3	Printable Offâ€“On Thermoswitchable Fluorescent Materials for Programmable Thermally Controlled Fullâ€Color Displays and Multiple Encryption. Advanced Materials, 2021, 33, e2008055.	21.0	86
4	Photoinduced Proton Transfer between Photoacid and pHâ€Sensitive Dyes: Influence Factors and Application for Visibleâ€Lightâ€Responsive Rewritable Paper. Advanced Functional Materials, 2018, 28, 1705532.	14.9	66
5	Water assisted biomimetic synergistic process and its application in water-jet rewritable paper. Nature Communications, 2018, 9, 4819.	12.8	63
6	Stress acidulated amphoteric molecules and mechanochromism via reversible intermolecular proton transfer. Chemical Communications, 2013, 49, 6587-6589.	4.1	57
7	Endowing Hydrochromism to Fluorans via Bioinspired Alteration of Molecular Structures and Microenvironments and Expanding Their Potential for Rewritable Paper. ACS Applied Materials & Interfaces, 2017, 9, 38032-38041.	8.0	50
8	Simple and general platform for highly adjustable thermochromic fluorescent materials and multi-feasible applications. Materials Horizons, 2019, 6, 1654-1662.	12.2	48
9	A spirooxazine derivative as a highly sensitive cyanide sensor by means of UV-visible difference spectroscopy. Analyst, The, 2012, 137, 5581.	3.5	44
10	A new absorption/fluorescence dual-mode hydrochromic dye for water-jet printing and anti-counterfeiting applications. Journal of Materials Chemistry C, 2020, 8, 2806-2811.	5.5	39
11	Highly Tunable Multicolor Water-Jet Rewritable Paper Based on Simple New-Type Dual-Addressable Oxazolidines. ACS Applied Materials & Interfaces, 2018, 10, 40838-40843.	8.0	34
12	A Multiaddressable Dyad with Switchable Cyan/Magenta/Yellow Colors for Fullâ€Color Rewritable Paper. Chemistry - A European Journal, 2018, 24, 12539-12545.	3.3	26
13	Effects of Substituents on Metastableâ€State Photoacids: Design, Synthesis, and Evaluation of their Photochemical Properties. Chemistry - an Asian Journal, 2019, 14, 438-445.	3.3	23
14	Microenvironments induced ring-closing of halide salts of oxazolidines: a rare inverse proton gradient process and its application in water-jet rewritable paper. Journal of Materials Chemistry C, 2018, 6, 10775-10781.	5.5	21
15	Photooxidation of oxazolidine molecular switches: uncovering an intramolecular ionization facilitated cyclization process. Chemical Communications, 2018, 54, 5094-5097.	4.1	19
16	Multiâ€Component Collaborative Stepâ€byâ€Step Coloring Strategy to Achieve Highâ€Performance Lightâ€Responsive Colorâ€Switching. Advanced Science, 2022, 9, e2103309.	11.2	15
17	Thermally controlling the intra- and intermolecular proton transfer reaction: a distinct gateway to luminescent switching. Journal of Materials Chemistry C, 2019, 7, 9149-9153.	5.5	12
18	Oxazolidine Transient Bases as Molecular Platforms for Testing Dynamic CO₂ Capture in Biochemical Systems. ACS Omega, 2018, 3, 2883-2894.	3.5	10

#	Article	IF	Citations
19	Construction of highly fluorescent Nâ€“O seven-membered heterocyclesviathermo-oxidation of oxazolidines. Journal of Materials Chemistry C, 2019, 7, 8045-8052.	5.5	10
20	A high-performance visible laser rewritable black paper. Journal of Materials Chemistry C, 2020, 8, 11675-11680.	5.5	10
21	Water-soluble and adjustable fluorescence copolymers containing a hydrochromic dye: synthesis, characterization and properties. RSC Advances, 2018, 8, 13664-13670.	3.6	4
22	Optically-manipulated multiaddressable all-ESIPT fluorescence nanomicelles prepared using a single fluorophore. Journal of Materials Chemistry C, 2022, 10, 840-845.	5.5	2
23	Hyperconjugation effect on fluorescence enhancement of biomimic disulfide substituted spirooxazine. RSC Advances, 2013, 3, 19752.	3.6	1
24	A Multiaddressable Dyad with Switchable Cyan/Magenta/Yellow Colors for Full-Color Rewritable Paper. Chemistry - A European Journal, 2018, 24, 12448-12448.	3.3	0