

Interaction of photoswitchable nanoparticles with cellulose anticounterfeiting and authentication security documents

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Photoluminescent and Chromic Nanomaterials for Anticounterfeiting Technologies: Recent Advances and Future Challenges. <i>ACS Nano</i> , 2020, 14, 14417-14492.	7.3	314
2	Stimuli-transition of hydrophobicity/hydrophilicity in o-nitrobenzyl ester-containing multi-responsive copolymers: Application in patterning and droplet stabilization in heterogeneous media. <i>Polymer</i> , 2020, 205, 122859.	1.8	19
3	Encryption and optical authentication of confidential cellulosic papers by ecofriendly multi-color photoluminescent inks. <i>Carbohydrate Polymers</i> , 2020, 245, 116507.	5.1	43
4	Photoswitchable fluorescent polymer nanoparticles as high-security anticounterfeiting materials for authentication and optical patterning. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5476-5493.	2.7	76
5	Controlled release of anti-cancer drug from the shell and hollow cavities of poly(N-isopropylacrylamide) hydrogel particles synthesized via reversible addition-fragmentation chain transfer polymerization. <i>European Polymer Journal</i> , 2020, 135, 109877.	2.6	20
6	Encryption and authentication of security patterns by ecofriendly multi-color photoluminescent inks containing oxazolidine-functionalized nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 192-210.	5.0	40
7	Modification of cellulose nanocrystal with dual temperature- and CO ₂ -responsive block copolymers for ion adsorption applications. <i>Journal of Molecular Liquids</i> , 2020, 310, 113234.	2.3	24
8	Cellulose nanocrystal-grafted multi-responsive copolymers containing cleavable o-nitrobenzyl ester units for stimuli-stabilization of oil-in-water droplets. <i>Chemical Engineering Journal</i> , 2021, 417, 128005.	6.6	20
9	Dual-mode security anticounterfeiting and encoding by electrospinning of highly photoluminescent spiropyran nanofibers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9571-9583.	2.7	27
10	Tailoring effects of the chain length and terminal substituent on the photochromism of solid-state spiropyrans. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8722-8726.	1.5	6
11	Rapid and Green Fabrication of Carbon Dots for Cellular Imaging and Anti-Counterfeiting Applications. <i>ACS Omega</i> , 2021, 6, 3232-3237.	1.6	25
12	Interparticle cycloaddition reactions for morphology transition of coumarin-functionalized stimuli-responsive polymer nanoparticles prepared by surfactant-free dispersion polymerization. <i>Polymer</i> , 2021, 228, 123899.	1.8	12
13	Amorphous Alumina: A Bright Red Matrix for Flexible and Transparent Anti-counterfeiting. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10220-10226.	3.2	11
14	Photoswitchable surface wettability of ultrahydrophobic nanofibrous coatings composed of spiropyran-acrylic copolymers. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 67-78.	5.0	29
15	Photoluminescent Nanoinks with Multilevel Security for Quick Authentication of Encoded Optical Tags by Sunlight: Effective Physicochemical Parameters on Responsivity, Printability, and Brightness. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44878-44892.	4.0	24
16	Synthesis, antimicrobial and photostability of novel push-pull tricyanofuran dyes bearing trolox and hindered amine. <i>Journal of Materials Research and Technology</i> , 2021, 14, 452-463.	2.6	7
17	Biopolymer-nanoparticles hybrids. , 2021, , 293-309.		0
18	Morphology evolution of functionalized styrene and methyl methacrylate copolymer latex nanoparticles by one-step emulsifier-free emulsion polymerization. <i>European Polymer Journal</i> , 2020, 133, 109790.	2.6	26

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19	Light-induced spherical to dumbbell-like morphology transition of coumarin-functionalized latex nanoparticles by a [2i€ + 2i€] cycloaddition reaction: a fast and facile strategy to anisotropic geometry. <i>Polymer Chemistry</i> , 2020, 11, 2053-2069.	1.9	34
20	Organic photoresponsive materials for information storage: a review. <i>Advanced Photonics</i> , 2020, 3, .	6.2	48
21	Photochromism of photopolymerized novel copolymers having spirooxazine moiety groups. <i>Iranian Polymer Journal (English Edition)</i> , 2020, 29, 669-677.	1.3	9
22	Stimuli-responsive block copolymers as pH chemosensors by fluorescence emission intensification mechanism. <i>European Polymer Journal</i> , 2022, 162, 110928.	2.6	9
23	Preparation of photoluminescent nanocomposite ink toward dual-mode secure anti-counterfeiting stamps. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103604.	2.3	67
24	Anti-Counterfeiting Tags Using Flexible Substrate with Gradient Micropatterning of Silver Nanowires. <i>Micromachines</i> , 2022, 13, 168.	1.4	3
25	Development of highly sensitive metal-ion chemosensor and key-lock anticounterfeiting technology based on oxazolidine. <i>Scientific Reports</i> , 2022, 12, 1079.	1.6	12
26	Fluorescent Polymers Conspectus. <i>Polymers</i> , 2022, 14, 1118.	2.0	16
27	Development of optical chemosensors based on photochromic polymer nanocarriers. <i>New Journal of Chemistry</i> , 2022, 46, 15080-15094.	1.4	11
28	Inorganic photochromism material SrHfO3:Er3+ integrating multiple optical behaviors for multimodal anti-counterfeiting. <i>Journal of Alloys and Compounds</i> , 2022, 921, 166081.	2.8	15
29	Optical Chemosensors based on Spiropyran-Doped Polymer Nanoparticles for Sensing pH of Aqueous Media. <i>Langmuir</i> , 2022, 38, 9410-9420.	1.6	13
30	Metal-free and ecofriendly photoluminescent nanoparticles for visualization of latent fingerprints, anticounterfeiting, and information encryption. <i>Sensors and Actuators B: Chemical</i> , 2022, 372, 132649.	4.0	16
31	Photochromic Polymer Nanoparticles as Highly Efficient Anticounterfeiting Nanoinks for Development of Photo-Switchable Encoded Tags. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
32	A robust photoswitchable dual-color fluorescent poly (vinyl alcohol) composite hydrogel constructed by photo-responsive FRET effect. <i>Dyes and Pigments</i> , 2023, 208, 110800.	2.0	6
33	Photoluminescent Polymer Nanoparticles Based on Oxazolidine Derivatives for Authentication and Security Marking of Confidential Notes. <i>Langmuir</i> , 2022, 38, 13782-13792.	1.6	14
34	Construction of durable and original color constancy photochromic cotton fabrics by a facile esterification strategy. <i>Industrial Crops and Products</i> , 2022, 189, 115783.	2.5	5
35	Photoluminescent Janus oxazolidine nanoparticles for development of organic light-emitting diodes, anticounterfeiting, information encryption, and optical detection of scratch. <i>Journal of Colloid and Interface Science</i> , 2023, 630, 242-256.	5.0	17
36	Photochromic polymer nanoparticles as highly efficient anticounterfeiting nanoinks for development of photo-switchable encoded tags. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2023, 436, 114343.	2.0	21

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37	Acrylicâ€urethane/modified Rhodamineâ€B ecoâ€friendly UVâ€curable anticounterfeiting ink. <i>Polymers for Advanced Technologies</i> , 2023, 34, 646-654.	1.6	2
38	Optical Patterning in Photoresponsive Azobenzene-Based Waterborne Coatings. , 2023, 1, 403-411.		1
39	Development of pH sensing colloidal nanoparticles and oil/water separating electrospun membranes containing oxazolidine from functional polymers. <i>Journal of Materials Chemistry C</i> , 2023, 11, 685-697.	2.7	6
40	A Modern Look at Spiroyrans: From Single Molecules to Smart Materials. <i>Topics in Current Chemistry</i> , 2023, 381, .	3.0	22
41	Dual-Color Photoluminescent Functionalized Nanoparticles for Static-Dynamic Anticounterfeiting and Encryption: First Collaboration of Spiropyran and Coumarin. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 7466-7484.	4.0	32
42	Synthesis and Application of Fluorescent Polymer Microâ€and Nanoparticles. <i>Small</i> , 2023, 19, .	5.2	9
43	Anti-counterfeiting ink based on polymer nanoparticles containing spiropyran and Aza-BODIPY for artificial industries. <i>Reactive and Functional Polymers</i> , 2023, 187, 105593.	2.0	8
44	Preparation of fluorescent ink using perylene-encapsulated silica nanoparticles toward authentication of documents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2023, 441, 114706.	2.0	5
45	Preparation of functional coating films using breath figure (BF) method and the study of morphological, optical and wettability behavior with varying experimental conditions. <i>International Journal of Polymer Analysis and Characterization</i> , 0, , 1-14.	0.9	0