

Dongpeng Yang

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

1,013
citations

430754

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times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	From Metastable Colloidal Crystalline Arrays to Fast Responsive Mechanochromic Photonic Gels: An Organic Gel for Deformation-Based Display Panels. <i>Advanced Functional Materials</i> , 2014, 24, 3197-3205.	7.8	175
2	Solvent Wrapped Metastable Colloidal Crystals: Highly Mutable Colloidal Assemblies Sensitive to Weak External Disturbance. <i>Journal of the American Chemical Society</i> , 2013, 135, 18370-18376.	6.6	87
3	Extremely sensitive mechanochromic photonic crystals with broad tuning range of photonic bandgap and fast responsive speed for high-resolution multicolor display applications. <i>Chemical Engineering Journal</i> , 2022, 429, 132342.	6.6	58
4	Polymerization-Induced Colloidal Assembly and Photonic Crystal Multilayer for Coding and Decoding. <i>Advanced Functional Materials</i> , 2014, 24, 817-825.	7.8	56
5	Simple and Ultrafast Fabrication of Invisible Photonic Prints with Reconfigurable Patterns. <i>Advanced Optical Materials</i> , 2020, 8, 1901541.	3.6	48
6	Highly Efficient Detection of Homologues and Isomers by the Dynamic Swelling Reflection Spectrum. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45174-45183.	4.0	45
7	Self-assembly of colloidal particles into amorphous photonic crystals. <i>Materials Advances</i> , 2021, 2, 6499-6518.	2.6	43
8	Simple and efficient fabrication of multi-stage color-changeable photonic prints as anti-counterfeit labels. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 134-143.	5.0	43
9	Chameleon-Inspired Brilliant and Sensitive Mechano-Chromic Photonic Skins for Self-Reporting the Strains of Earthworms. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11672-11680.	4.0	38
10	Hand Painting of Noniridescent Structural Multicolor through the Self-Assembly of YO ₂ CO ₃ Colloids and Its Application for Anti-Counterfeiting. <i>Langmuir</i> , 2019, 35, 8428-8435.	1.6	37
11	Amorphous Photonic Structures with Brilliant and Noniridescent Colors via Polymer-Assisted Colloidal Assembly. <i>ACS Omega</i> , 2019, 4, 18771-18779.	1.6	31
12	Old relief printing applied to the current preparation of multi-color and high resolution colloidal photonic crystal patterns. <i>Chemical Communications</i> , 2015, 51, 16972-16975.	2.2	30
13	Facile Synthesis of Monodispersed SiO ₂ @Fe ₃ O ₄ Core-Shell Colloids for Printing and Three-Dimensional Coating with Noniridescent Structural Colors. <i>ACS Omega</i> , 2019, 4, 528-534.	1.6	30
14	Invisible photonic prints shown by UV illumination: combining photoluminescent and noniridescent structural colors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11776-11782.	2.7	28
15	Liquid, Transparent, and Antideformable Thermo-chromic Photonic Crystals for Displays. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	28
16	Two Birds with One Stone: Manipulating Colloids Assembled into Amorphous and Ordered Photonic Crystals and Their Combinations for Coding-Decoding. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6328-6336.	1.5	25
17	Rapid Fabrication of Alcohol Responsive Photonic Prints with Changeable Color Contrasts for Anti-Counterfeiting Application. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001905.	1.9	24
18	Dual active sites fabricated through atomic layer deposition of TiO ₂ on MoS ₂ nanosheet arrays for highly efficient electroreduction of CO ₂ to ethanol. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6790-6796.	5.2	22

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19	A hybrid hydrogel system composed of CdTe quantum dots and photonic crystals for optical anti-counterfeiting and information encoding—decoding. Journal of Materials Chemistry C, 2022, 10, 3959-3970.	2.7	21
20	A new coding-decoding system through combining near-infrared photonic crystals and their spatial reflection spectra. Journal of Materials Chemistry C, 2021, 9, 4466-4473.	2.7	20
21	Controlled deposition of ultra-small Ag particles on TiO2 nanorods: oxide/metal hetero-nanostructures with improved catalytic activity. CrystEngComm, 2013, 15, 7230.	1.3	16
22	Highly Efficient Fabricating Amorphous Photonic Crystals Using Less Polar Solvents and the Wettability–Based Information Storage and Recognition. Particle and Particle Systems Characterization, 2020, 37, 2000043.	1.2	16
23	Noniridescent structural color from enhanced electromagnetic resonances of particle aggregations and its applications for reconfigurable patterns. Journal of Colloid and Interface Science, 2021, 604, 178-187.	5.0	15
24	Photo-Luminescent Photonic Crystals for Anti-Counterfeiting. ACS Omega, 2022, 7, 7320-7326.	1.6	15
25	Mechano–Chromic Photonic Crystals with Substrate–Independent Brilliant Colors for Visual Sensing and Anti–Counterfeiting Applications. Advanced Materials Interfaces, 2022, 9, .	1.9	15
26	Highly efficient utilization of light and charge separation over a hematite photoanode achieved through a noncontact photonic crystal film for photoelectrochemical water splitting. Physical Chemistry Chemical Physics, 2020, 22, 20202-20211.	1.3	14
27	Refractive–Index–Matching–Based Encryption of Photonic Crystal Prints with Multistage and Reconfigurable Information. Advanced Materials Interfaces, 2021, 8, 2100789.	1.9	12
28	Dual–Modal Invisible Photonic Crystal Prints from Photo/Water Responsive Photonic Crystals. Advanced Photonics Research, 2021, 2, 2000197.	1.7	11
29	Photonic Crystals with Tunable Lattice Structures Based on Anisotropic Metal–Organic Framework Particles and Their Application in Anticounterfeiting. Advanced Photonics Research, 2022, 3, .	1.7	10
30	Refractive–Index–Matching–Based Encryption of Photonic Crystal Prints with Multistage and Reconfigurable Information (Adv. Mater. Interfaces 20/2021). Advanced Materials Interfaces, 2021, 8, 2170112.	1.9	0