

Yangyang Xu

List of Publications by Year in descending order

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20
papers

729
citations

687363

13
h-index

752698

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g-index

20
all docs

20
docs citations

20
times ranked

458
citing authors

#	ARTICLE	IF	CITATIONS
1	Radical photoinitiation with LEDs and applications in the 3D printing of composites. <i>Chemical Society Reviews</i> , 2021, 50, 3824-3841.	38.1	110
2	Enantioselective synthesis of helical polydiacetylene by application of linearly polarized light and magnetic field. <i>Nature Communications</i> , 2014, 5, 5050.	12.8	93
3	A monocomponent bifunctional benzophenone-carbazole type II photoinitiator for LED photoinitiating systems. <i>Polymer Chemistry</i> , 2020, 11, 3551-3556.	3.9	72
4	<i>In silico</i> rational design by molecular modeling of new ketones as photoinitiators in three-component photoinitiating systems: application in 3D printing. <i>Polymer Chemistry</i> , 2020, 11, 2230-2242.	3.9	71
5	Helical polydiacetylene prepared in the liquid crystal phase using circular polarized ultraviolet light. <i>Chemical Communications</i> , 2014, 50, 365-367.	4.1	56
6	Monocomponent Photoinitiators based on Benzophenone-Carbazole Structure for LED Photoinitiating Systems and Application on 3D Printing. <i>Polymers</i> , 2020, 12, 1394.	4.5	50
7	Thermochromism and supramolecular chirality of the coumarin-substituted polydiacetylene LB films. <i>Journal of Colloid and Interface Science</i> , 2013, 400, 116-122.	9.4	46
8	Allyloxy ketones as efficient photoinitiators with high migration stability in free radical polymerization and 3D printing. <i>Dyes and Pigments</i> , 2021, 185, 108900.	3.7	39
9	Novel ketone derivative-based photoinitiating systems for free radical polymerization under mild conditions and 3D printing. <i>Polymer Chemistry</i> , 2020, 11, 5767-5777.	3.9	38
10	Design of ketone derivatives as highly efficient photoinitiators for free radical and cationic photopolymerizations and application in 3D printing of composites. <i>Journal of Polymer Science</i> , 2020, 58, 3432-3445.	3.8	34
11	Ketone derivatives as photoinitiators for both radical and cationic photopolymerizations under visible LED and application in 3D printing. <i>European Polymer Journal</i> , 2020, 132, 109737.	5.4	33
12	Effect of Zeolite Fillers on the Photopolymerization Kinetics for Photocomposites and Lithography. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2854-2861.	4.4	27
13	Multi-stimuli-responsiveness of a novel polydiacetylene-based supramolecular gel. <i>Soft Matter</i> , 2018, 14, 8044-8050.	2.7	22
14	Chirality Transfer and Modulation in LB Films Derived From the Diacetylene/Melamine Hydrogen-Bonded Complex. <i>Chirality</i> , 2015, 27, 492-499.	2.6	9
15	Charge Transfer Complexes (CTCs) with Pyridinium Salts: Towards Efficient Dual Photochemical/Thermal Initiators and 3D Printing Applications. <i>Macromolecular Rapid Communications</i> , 2022, , 2200314.	3.9	8
16	Polydiacetylene (PDA) based supramolecular gel upon coassembly with a bolaamphiphilic cogelator. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2640-2646.	3.2	7
17	Preparation of Iron Filler-Based Photocomposites and Application in 3D Printing. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000720.	3.6	5
18	Fabrication of a novel polydiacetylene-based gel system through self-assembly and the stimuli-induced colorimetric responsiveness. <i>European Polymer Journal</i> , 2022, 171, 111202.	5.4	4

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19	Near-Infrared/Light/Thermal Dual-Responsive Epoxy-Based Polydiacetylene Composite for 3D Printing. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101481.	3.7	3
20	A writable aniline-functionalized polydiacetylene composite with obvious colorimetric change upon both heating and near infrared lights irradiation. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1021-1026.	3.2	2