

Gabriela Ambrozic

List of Publications by Year in descending order

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29
papers

475
citations

623734

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677142

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30
all docs

30
docs citations

30
times ranked

675
citing authors

#	ARTICLE	IF	CITATIONS
1	The synthesis of zinc oxide nanoparticles from zinc acetylacetonate hydrate and 1-butanol or isobutanol. <i>Journal of Colloid and Interface Science</i> , 2010, 346, 317-323.	9.4	67
2	Density Functional Calculation of the 2D Potential Surface and Deuterium Isotope Effect on ¹³ C Chemical Shifts in Picolinic Acid N-Oxide. Comparison with Experiment. <i>Journal of the American Chemical Society</i> , 2004, 126, 4437-4443.	13.7	42
3	Interplay between nematic ordering and thermomechanical response in a side-chain liquid single crystal elastomer containing pendant azomesogen units. <i>Polymer</i> , 2009, 50, 4837-4844.	3.8	38
4	Strong intramolecular hydrogen bonds. Part I. Vibrational frequencies of the OH group in some picolinic acid N-oxides predicted from DFT calculated potentials and located in the infrared spectra. <i>Computational and Theoretical Chemistry</i> , 2000, 500, 429-440.	1.5	37
5	Marine Natural Products with High Anticancer Activities. <i>Current Medicinal Chemistry</i> , 2020, 27, 1243-1307.	2.4	30
6	Micropatterning of light-sensitive liquid-crystal elastomers. <i>Physical Review E</i> , 2009, 80, 050701.	2.1	23
7	Supramolecular liquid-crystalline polyurethane. <i>Macromolecular Rapid Communications</i> , 2000, 21, 53-56.	3.9	22
8	Tailored BiVO ₄ for enhanced visible-light photocatalytic performance. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106025.	6.7	22
9	Hydrogen bonding in complex of serine with histidine: computational and spectroscopic study of model compounds. <i>Chemical Physics Letters</i> , 2004, 400, 117-121.	2.6	20
10	The double role of p-toluenesulfonic acid in the formation of ZnO particles with different morphologies. <i>CrystEngComm</i> , 2010, 12, 1862.	2.6	19
11	Liquid-Crystalline Complexes of Polyurethane Containing an Isonicotinamide Moiety with 4-Dodecyloxybenzoic Acid. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 439-447.	2.2	18
12	Grain size effect on photocatalytic activity of TiO ₂ thin films grown by atomic layer deposition. <i>Thin Solid Films</i> , 2020, 709, 138215.	1.8	18
13	Hydrogen-bonded polyurethane complexes based on 4-alkoxybenzoic acids as the low molar mass components. <i>Polymer International</i> , 2005, 54, 606-613.	3.1	16
14	The formation of zinc oxide nanoparticles from zinc acetylacetonate hydrate in tert-butanol: A comparative mechanistic study with isomeric C ₄ alcohols as the media. <i>Materials Research Bulletin</i> , 2011, 46, 2497-2501.	5.2	14
15	Depth profile of optically recorded patterns in light-sensitive liquid-crystal elastomers. <i>Physical Review E</i> , 2011, 84, 031707.	2.1	14
16	Kinetics of Holographic Recording and Spontaneous Erasure Processes in Light-Sensitive Liquid Crystal Elastomers. <i>Materials</i> , 2012, 5, 741-753.	2.9	10
17	Optical properties of light-sensitive liquid-crystal elastomers in the vicinity of the nematic-paranematic phase transition. <i>Physical Review E</i> , 2013, 87, 022507.	2.1	9
18	“Sandwich”-like hybrid ZnO thin films produced by a combination of atomic layer deposition and wet-chemistry using a mercapto silane as single organic precursor. <i>Nanotechnology</i> , 2020, 31, 185603.	2.6	9

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19	Introducing the concept of pulsed vapor phase copper-free surface click-chemistry using the ALD technique. <i>Chemical Communications</i> , 2019, 55, 3109-3112.	4.1	8
20	Poly(zinc dimethacrylate) as a precursor in the low-temperature formation of ZnO nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 370-376.	9.4	7
21	Secondary Metabolites from Gorgonian Corals of the Genus <i>Eunicella</i> : Structural Characterizations, Biological Activities, and Synthetic Approaches. <i>Molecules</i> , 2020, 25, 129.	3.8	7
22	In-situ multi-step pulsed vapor phase surface functionalization of zirconia nanoparticles via copper-free click chemistry. <i>Applied Surface Science</i> , 2021, 539, 148254.	6.1	6
23	Nanocrystalline hybrid inorganic-organic one-dimensional chain systems tailored with 2- and 3-phenyl ring monocarboxylic acids. <i>Journal of Materials Chemistry</i> , 2012, 22, 10255.	6.7	5
24	An antibacterial macroporous polyurethane hybrid material with a high content of zinc ions: A template to uniform ZnO nanoparticles. <i>Materials Research Bulletin</i> , 2013, 48, 1428-1434.	5.2	5
25	Building organosilica hybrid nanohemispheres via thiol-ene click reaction on alumina thin films deposited by atomic layer deposition (ALD). <i>Journal of Colloid and Interface Science</i> , 2020, 560, 303-311.	9.4	5
26	Aromatic side-chain liquid-crystalline polyurethanes with azobenzene mesogenic units. <i>Polymer Bulletin</i> , 2002, 48, 151-158.	3.3	2
27	Recent Advances in the Synthesis of Five-Membered Cyclic Carbonates and Carbamates from Allylic or Propargylic Substrates and CO ₂ . <i>Catalysts</i> , 2022, 12, 547.	3.5	2
28	Chemical-Physical Characterization of a Binary Mixture Made of a Photosensitive Azobenzene Derivative and a Smectogen. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 614, 54-61.	0.9	0
29	Novel hybrid inorganic-organic one-dimensional chain systems tailored with monocarboxylic acids. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, s226-s226.	0.3	0