

Maria Penolope De Santo

List of Publications by Year in descending order

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30
papers

471
citations

687363

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30
docs citations

30
times ranked

720
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured Poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) (SBS) Membranes for the Separation of Nitrogen from Natural Gas. <i>Advanced Functional Materials</i> , 2012, 22, 1759-1767.	14.9	56
2	Amine-functionalized SBA-15 in poly(styrene- <i>b</i> -butadiene- <i>b</i> -styrene) (SBS) yields permeable and selective nanostructured membranes for gas separation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11853.	10.3	45
3	Thermal and electrical laser tuning in liquid crystal blue phase I. <i>Soft Matter</i> , 2012, 8, 4882.	2.7	34
4	Dynamical homeotropic and planar alignments of chromonic liquid crystals. <i>Soft Matter</i> , 2012, 8, 8478.	2.7	30
5	Mechanical Resilience of Modified Bitumen at Different Cooling Rates: A Rheological and Atomic Force Microscopy Investigation. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 779.	2.5	28
6	A novel phage display based platform for exosome diversity characterization. <i>Nanoscale</i> , 2022, 14, 2998-3003.	5.6	27
7	Effect of epoxidized soybean oil on mechanical properties of bitumen and aged bitumen. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 675, 68-74.	0.9	26
8	Correlating Gas Permeability and Young's Modulus during the Physical Aging of Polymers of Intrinsic Microporosity Using Atomic Force Microscopy. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5381-5391.	3.7	25
9	Rewritable Optical Storage with a Spiropyran Doped Liquid Crystal Polymer Film. <i>Macromolecular Rapid Communications</i> , 2016, 37, 500-505.	3.9	24
10	Mixed emulsion of liquid crystal microresonators: towards white laser systems. <i>Soft Matter</i> , 2017, 13, 6227-6233.	2.7	23
11	Insight into the supramolecular organization of columnar assemblies with phototunable chirality. <i>Journal of Materials Chemistry</i> , 2012, 22, 18025.	6.7	22
12	Understanding of the Viscoelastic Response of the Human Corneal Stroma Induced by Riboflavin/UV-A Cross-Linking at the Nano Level. <i>PLoS ONE</i> , 2015, 10, e0122868.	2.5	21
13	Fabrication of electrospun keratin nanofiber membranes for air and water treatment. <i>Polymer Engineering and Science</i> , 2019, 59, 1472-1478.	3.1	20
14	Biomechanical Strengthening of the Human Cornea Induced by Nanoplatfom-Based Transepithelial Riboflavin/UV-A Corneal Cross-Linking. , 2017, 58, 179.		12
15	Temperature-tunable lasing from dye-doped chiral microdroplets encapsulated in a thin polymeric film. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 379-383.	2.8	9
16	NMR Diffusiometry Spectroscopy, a Novel Technique for Monitoring the Micro-Modifications in Bitumen Ageing. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5409.	2.5	9
17	Temperature tunable omnidirectional lasing in liquid crystal blue phase microspheres. <i>OSA Continuum</i> , 2019, 2, 3337.	1.8	9
18	Nano- and Micro-Porous Chitosan Membranes for Human Epidermal Stratification and Differentiation. <i>Membranes</i> , 2021, 11, 394.	3.0	7

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19	Induced Chiral Chromonics Confined in Micrometric Droplets. <i>Advanced Functional Materials</i> , 2021, 31, 2010394.	14.9	6
20	Spicy Bitumen: Curcumin Effects on the Rheological and Adhesion Properties of Asphalt. <i>Materials</i> , 2021, 14, 1622.	2.9	6
21	Detection of Gold Nanoparticles Aggregation Growth Induced by Nucleic Acid through Laser Scanning Confocal Microscopy. <i>Sensors</i> , 2016, 16, 258.	3.8	5
22	Intercalation or external binding: How to torque chromonic Sunset Yellow. <i>Journal of Molecular Liquids</i> , 2022, 359, 119265.	4.9	5
23	Anti-counterfeiting and identification solutions using soft matter. <i>Rendiconti Lincei</i> , 2015, 26, 255-259.	2.2	4
24	Low Cost and Easy Validation Anticounterfeiting Plasmonic Tags Based on Thin Films of Metal and Dielectric. <i>Nanomaterials</i> , 2022, 12, 1279.	4.1	4
25	The role of surface energy in guanosine nucleotide alignment: An intriguing scenario. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 119, 99-105.	5.0	3
26	Endothelial-like nitric oxide synthase immunolocalization by using gold nanoparticles and dyes. <i>Biomedical Optics Express</i> , 2015, 6, 4738.	2.9	3
27	Gi Protein Modulation of the Potassium Channel TASK-2 Mediates Vesicle Osmotic Swelling to Facilitate the Fusion of Aquaporin-2 Water Channel Containing Vesicles. <i>Cells</i> , 2018, 7, 276.	4.1	3
28	Spherical Confinement of Chromonics: Effects of a Chiral Aminoacid. <i>Nanomaterials</i> , 2022, 12, 619.	4.1	3
29	Thermochromism, a perspective of light to heat conversion mediated by metal nanoparticles. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 649, 38-44.	0.9	1
30	Nanoscale Structure of Langmuir-Blodgett Film of Bent-Core Molecules. <i>Nanomaterials</i> , 2022, 12, 2285.	4.1	1