

Maria C Sportelli

List of Publications by Citations

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

813
citations

15
h-index

27
g-index

47
ext. papers

1,013
ext. citations

5
avg. IF

4.34
L-index

#	Paper	IF	Citations
43	Can Nanotechnology and Materials Science Help the Fight against SARS-CoV-2?. <i>Nanomaterials</i> , 2020 , 10,	5.4	134
42	Ionic liquids/ZnO nanoparticles as recyclable catalyst for polycarbonate depolymerization. <i>Journal of Molecular Catalysis A</i> , 2017 , 426, 107-116		72
41	The Pros and Cons of the Use of Laser Ablation Synthesis for the Production of Silver Nano-Antimicrobials. <i>Antibiotics</i> , 2018 , 7,	4.9	69
40	Recent advances in the synthesis and characterization of nano-antimicrobials. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 84, 131-138	14.6	48
39	Surface chemical and biological characterization of flax fabrics modified with silver nanoparticles for biomedical applications. <i>Materials Science and Engineering C</i> , 2015 , 52, 1-10	8.3	39
38	Deposition of morphology-tailored PbS thin films by surfactant-enhanced aerosol assisted chemical vapor deposition. <i>Materials Science in Semiconductor Processing</i> , 2016 , 46, 39-45	4.3	36
37	Synthesis and characterization of hybrid copper-chitosan nano-antimicrobials by femtosecond laser-ablation in liquids. <i>Materials Letters</i> , 2014 , 136, 397-400	3.3	33
36	Development of a novel conservation treatment of stone monuments with bioactive nanocomposites. <i>Heritage Science</i> , 2015 , 3,	2.5	30
35	Shape-control by microwave-assisted hydrothermal method for the synthesis of magnetite nanoparticles using organic additives. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	28
34	Characterization and behaviour of ZnO-based nanocomposites designed for the control of biodeterioration of patrimonial stoneworks. <i>New Journal of Chemistry</i> , 2015 , 39, 6836-6843	3.6	25
33	Catalytic Activity of Silicon Nanowires Decorated with Gold and Copper Nanoparticles Deposited by Pulsed Laser Ablation. <i>Nanomaterials</i> , 2018 , 8,	5.4	24
32	Exceptionally stable silver nanoparticles synthesized by laser ablation in alcoholic organic solvent. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 559, 148-158	5.1	24
31	Electrosynthesis and characterization of ZnO nanoparticles as inorganic component in organic thin-film transistor active layers. <i>Electrochimica Acta</i> , 2015 , 178, 45-54	6.7	19
30	Enhanced stability of organic field-effect transistor biosensors bearing electrosynthesized ZnO nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 274, 210-217	8.5	17
29	Inhibiting <i>P. fluorescens</i> biofilms with fluoropolymer-embedded silver nanoparticles: an in-situ spectroscopic study. <i>Scientific Reports</i> , 2017 , 7, 11870	4.9	16
28	Electrochemical Preparation of Synergistic Nanoantimicrobials. <i>Molecules</i> , 2019 , 25,	4.8	14
27	Sn-deficiency in the electrodeposited ternary $Cu_xSn_yS_z$ thin films by ECALE. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 138, 9-16	6.4	13

26	Spectroscopic Characterization and Nanosafety of Ag-Modified Antibacterial Leather and Leatherette. <i>Nanomaterials</i> , 2017 , 7,	5.4	13
25	Investigation of Industrial Polyurethane Foams Modified with Antimicrobial Copper Nanoparticles. <i>Materials</i> , 2016 , 9,	3.5	13
24	Surface characterization of textiles modified by copper and zinc oxide nano-antimicrobials. <i>Surface and Interface Analysis</i> , 2016 , 48, 505-508	1.5	13
23	Combined Approach for the Development of Efficient and Safe Nanoantimicrobials: The Case of Nanosilver-Modified Polyurethane Foams. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1417-1425	5.5	12
22	Ion Beam Sputtering Deposition and Characterization of ZnO-Fluoropolymer Nano-Antimicrobials. <i>Science of Advanced Materials</i> , 2014 , 6, 1019-1025	2.3	11
21	A new nanocomposite based on LASiS-generated CuNPs as a preservation system for fruit salads. <i>Food Packaging and Shelf Life</i> , 2019 , 22, 100422	8.2	10
20	Spectroscopic Characterization of Copper-Chitosan Nanoantimicrobials Prepared by Laser Ablation Synthesis in Aqueous Solutions. <i>Nanomaterials</i> , 2016 , 7,	5.4	10
19	Pros and Cons of Sacrificial Anode Electrolysis for the Preparation of Transition Metal Colloids: A Review. <i>ChemElectroChem</i> , 2020 , 7, 386-394	4.3	10
18	Surface analytical characterization of Streptavidin/poly(3Hexylthiophene) bilayers for bio-electronic applications. <i>Applied Surface Science</i> , 2017 , 420, 313-322	6.7	9
17	Ag-Based Synergistic Antimicrobial Composites. A Critical Review. <i>Nanomaterials</i> , 2021 , 11,	5.4	9
16	Novel polyethylene oxide coatings implementing ultra-stable laser-ablated silver nanoparticles. <i>Applied Surface Science</i> , 2020 , 507, 145156	6.7	8
15	Electrosynthesis of ZnO nanomaterials in aqueous medium with CTAB cationic stabilizer. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 81, 338-345	2.3	7
14	New Insights in the Ion Beam Sputtering Deposition of ZnO-Fluoropolymer Nanocomposites. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 77	2.6	7
13	Laser Ablation Synthesis of Hybrid Copper/Silver Nanocolloids for Prospective Application as Nanoantimicrobial Agents for Food Packaging. <i>MRS Advances</i> , 2016 , 1, 3735-3740	0.7	7
12	ZnO Nanostructures with Antibacterial Properties Prepared by a Green Electrochemical-Thermal Approach. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
11	Sensing nanoparticle-protein corona using nanoparticle enhanced Laser Induced Breakdown Spectroscopy signal enhancement. <i>Talanta</i> , 2021 , 235, 122741	6.2	5
10	Electrosynthesized Polystyrene Sulphonate-Capped Zinc Oxide Nanoparticles as Electrode Modifiers for Sensing Devices. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1675, 15-20		4
9	Gold Nanoparticles Synthesis Using Stainless Steel as Solid Reductant: A Critical Overview. <i>Nanomaterials</i> , 2020 , 10,	5.4	3

8	Nano-Antimicrobials Based on Metals 2014 , 181-218		3
7	Recent advances on the spectroscopic characterization of microbial biofilms: A critical review.. <i>Analytica Chimica Acta</i> , 2022 , 1195, 339433	6.6	3
6	Laser Ablation Synthesis in Solution of Nanoantimicrobials for Food Packaging Applications. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1804, 37-42		2
5	A New Nanocomposite Packaging Based on LASIS-Generated AgNPs for the Preservation of Apple Juice. <i>Antibiotics</i> , 2021 , 10,	4.9	2
4	Silver-fluoropolymer (Ag-CFX) films: Kinetic study of silver release, and spectroscopic-microscopic insight into the inhibition of <i>P. fluorescens</i> biofilm formation. <i>Analytica Chimica Acta</i> , 2022 , 1212, 339892	6.6	1
3	Nonconventional Routes to Silver Nanoantimicrobials 2015 , 87-105		0
2	Surface Analytical Characterization of P3HT-Streptavidin Bilayers for Biosensing Applications. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1795, 35-40		
1	Combining inorganic antibacterial# nanophases and essential oils recent findings and prospects 2017 , 279-293		