

Nicoletta Ditaranto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1211271/publications.pdf>

Version: 2024-02-01

138
papers

5,728
citations

87888

38
h-index

85541

71
g-index

141
all docs

141
docs citations

141
times ranked

8104
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper Nanoparticle/Polymer Composites with Antifungal and Bacteriostatic Properties. <i>Chemistry of Materials</i> , 2005, 17, 5255-5262.	6.7	716
2	NO sensors based on semiconducting metal oxide nanostructures: Progress and perspectives. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 25-42.	7.8	371
3	Can Nanotechnology and Materials Science Help the Fight against SARS-CoV-2?. <i>Nanomaterials</i> , 2020, 10, 802.	4.1	194
4	Pd Nanoparticles Catalyzed Stereospecific Synthesis of β^2 -Aryl Cinnamic Esters in Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2003, 68, 2929-2933.	3.2	179
5	Antifungal activity of polymer-based copper nanocomposite coatings. <i>Applied Physics Letters</i> , 2004, 85, 2417-2419.	3.3	172
6	Heck Reaction Catalyzed by Nanosized Palladium on Chitosan in Ionic Liquids. <i>Organometallics</i> , 2004, 23, 5154-5158.	2.3	170
7	Analytical characterization of bioactive fluoropolymer ultra-thin coatings modified by copper nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 607-616.	3.7	150
8	Analytical characterization of laser-generated copper nanoparticles for antibacterial composite food packaging. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1179-1186.	3.7	149
9	A comparative study of chitosan and chitosan/cyclodextrin nanoparticles as potential carriers for the oral delivery of small peptides. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 26-32.	4.3	139
10	Carbon based materials for electronic bio-sensing. <i>Materials Today</i> , 2011, 14, 424-433.	14.2	138
11	Synthesis, analytical characterization and bioactivity of Ag and Cu nanoparticles embedded in poly-vinyl-methyl-ketone films. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1912-1918.	3.7	134
12	Interfacial electronic effects in functional bilayers integrated into organic field-effect transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6429-6434.	7.1	109
13	Ionic liquids/ZnO nanoparticles as recyclable catalyst for polycarbonate depolymerization. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 107-116.	4.8	103
14	Ultimately Sensitive Organic Bioelectronic Transistor Sensors by Materials and Device Structure Design. <i>Advanced Functional Materials</i> , 2020, 30, 1904513.	14.9	97
15	About the amplification factors in organic bioelectronic sensors. <i>Materials Horizons</i> , 2020, 7, 999-1013.	12.2	86
16	A novel preservation technique applied to fiordilatte cheese. <i>Innovative Food Science and Emerging Technologies</i> , 2013, 19, 158-165.	5.6	82
17	Glucose as a Clean and Renewable Reductant in the Pd-Nanoparticle-Catalyzed Reductive Homocoupling of Bromo- and Chloroarenes in Water. <i>Journal of Organic Chemistry</i> , 2010, 75, 3908-3911.	3.2	78
18	Systemic heparin delivery by the pulmonary route using chitosan and glycol chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , 2013, 447, 115-123.	5.2	77

#	ARTICLE	IF	CITATIONS
19	Metal nanoantimicrobials for textile applications. <i>Nanotechnology Reviews</i> , 2013, 2, 307-331.	5.8	67
20	Selective single-molecule analytical detection of C-reactive protein in saliva with an organic transistor. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4899-4908.	3.7	66
21	Gold nanomaterials as a new tool for bioanalytical applications of laser desorption ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 601-623.	3.7	65
22	Label-Free and Selective Single-Molecule Bioelectronic Sensing with a Millimeter-Wide Self-Assembled Monolayer of Anti-Immunoglobulins. <i>Chemistry of Materials</i> , 2019, 31, 6476-6483.	6.7	62
23	Electrosynthesis and analytical characterisation of polypyrrole thin films modified with copper nanoparticles. <i>Journal of Materials Chemistry</i> , 2001, 11, 1434-1440.	6.7	61
24	Highly selective detection of Epinephrine at oxidized Single-Wall Carbon Nanohorns modified Screen Printed Electrodes (SPEs). <i>Biosensors and Bioelectronics</i> , 2014, 59, 94-98.	10.1	60
25	Recent advances in the synthesis and characterization of nano-antimicrobials. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 84, 131-138.	11.4	59
26	Electrophoretic deposition of Au NPs on MWCNT-based gas sensor for tailored gas detection with enhanced sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 417-428.	7.8	58
27	Pd supported on tetragonal zirconia: Electrosynthesis, characterization and catalytic activity toward CO oxidation and CH ₄ combustion. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 73-82.	20.2	56
28	Palladium/Zirconium Oxide Nanocomposite as a Highly Recyclable Catalyst for C-C Coupling Reactions in Water. <i>Molecules</i> , 2010, 15, 4511-4525.	3.8	56
29	Analytical characterization of chitosan nanoparticles for peptide drug delivery applications. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 207-215.	3.7	55
30	Contact effects in organic thin-film transistor sensors. <i>Organic Electronics</i> , 2009, 10, 233-239.	2.6	51
31	Characterization of Covalently Bound Anti-Human Immunoglobulins on Self-Assembled Monolayer Modified Gold Electrodes. <i>Advanced Biology</i> , 2017, 1, e1700055.	3.0	51
32	Electrosynthesis and characterization of gold nanoparticles for electronic capacitance sensing of pollutants. <i>Electrochimica Acta</i> , 2011, 56, 3713-3720.	5.2	47
33	Ullmann Homocoupling Catalysed by Gold Nanoparticles in Water and Ionic Liquid. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2777-2788.	4.3	46
34	Development of a novel conservation treatment of stone monuments with bioactive nanocomposites. <i>Heritage Science</i> , 2015, 3, .	2.3	43
35	Structure and Crystallization of Alkaline-Earth Aluminosilicate Glasses: Prevention of the Alumina-Avoidance Principle. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4737-4747.	2.6	42
36	UV crosslinked poly(acrylic acid): a simple method to bio-functionalize electrolyte-gated OFET biosensors. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5049-5057.	5.8	41

#	ARTICLE	IF	CITATIONS
37	Pd nanoparticle catalysed one-pot sequential Heck and Suzuki couplings of bromo-chloroarenes in ionic liquids and water. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 808-813.	2.8	40
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.	4.0	40
39	Evaluation of gas-sensing properties of ZnO nanostructures electrochemically doped with Au nanophases. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 22-31.	2.8	39
40	Synthesis and analytical characterisation of copper-based nanocoatings for bioactive stone artworks treatment. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 473-481.	3.7	38
41	Ag-Based Synergistic Antimicrobial Composites. A Critical Review. <i>Nanomaterials</i> , 2021, 11, 1687.	4.1	38
42	1,8-Bis(dimethylamino)naphthalene/9-aminoacridine: A new binary matrix for lipid fingerprinting of intact bacteria by matrix assisted laser desorption ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2013, 798, 56-63.	5.4	37
43	Electrospun Nanomaterials Implementing Antibacterial Inorganic Nanophases. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1643.	2.5	37
44	Synthesis and Antimicrobial Activity of Copper Nanomaterials. , 2012, , 85-117.		36
45	Graphene and ionic liquids new gel paste electrodes for caffeic acid quantification. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 248-255.	7.8	36
46	Virusâ”Poly(3,4-ethylenedioxythiophene) Composite Films for Impedance-Based Biosensing. <i>Analytical Chemistry</i> , 2011, 83, 2420-2424.	6.5	35
47	Mucoadhesive Properties and Interaction with P-Glycoprotein (P-gp) of Thiolated-Chitosans and -Glycol Chitosans and Corresponding Parent Polymers: A Comparative Study. <i>Biomacromolecules</i> , 2014, 15, 882-893.	5.4	35
48	Palladium-nanoparticles catalyzed hydrodehalogenation of aryl chlorides in ionic liquids. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4397-4401.	1.8	34
49	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.	2.8	33
50	Catalytic Activity of Silicon Nanowires Decorated with Gold and Copper Nanoparticles Deposited by Pulsed Laser Ablation. <i>Nanomaterials</i> , 2018, 8, 78.	4.1	32
51	Synthesis, characterization, and in vitro cytotoxicity of a Kiteplatin-Ibuprofen Pt(IV) prodrug. <i>Inorganica Chimica Acta</i> , 2018, 472, 221-228.	2.4	31
52	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.	4.7	31
53	Bio-sorbable, liquid electrolyte gated thin-film transistor based on a solution-processed zinc oxide layer. <i>Faraday Discussions</i> , 2014, 174, 383-398.	3.2	29
54	A Study on the Stability of Water-Gated Organic Field-Effect-Transistors Based on a Commercial p-Type Polymer. <i>Frontiers in Chemistry</i> , 2019, 7, 667.	3.6	29

#	ARTICLE	IF	CITATIONS
55	PEâ€CVD of Hydrophilicâ€COOH Functionalized Coatings on Electrolyte Gated Fieldâ€Effect Transistor Electronic Layers. <i>Plasma Processes and Polymers</i> , 2013, 10, 102-109.	3.0	26
56	Selenium-doped hydroxyapatite nanoparticles for potential application in bone tumor therapy. <i>Journal of Inorganic Biochemistry</i> , 2021, 215, 111334.	3.5	26
57	Near UVâ€Irradiation of CuO_xâ€Impregnated TiO₂ Providing Active Species for H₂ Production Through Methanol Photoreforming. <i>ChemCatChem</i> , 2019, 11, 4314-4326.	3.7	25
58	On the Efficacy of ZnO Nanostructures against SARS-CoV-2. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3040.	4.1	25
59	Electrosynthesis and characterization of ZnO nanoparticles as inorganic component in organic thin-film transistor active layers. <i>Electrochimica Acta</i> , 2015, 178, 45-54.	5.2	24
60	Investigation of Industrial Polyurethane Foams Modified with Antimicrobial Copper Nanoparticles. <i>Materials</i> , 2016, 9, 544.	2.9	24
61	Pure and Fe-Doped Mesoporous Titania Catalyse the Oxidation of Acid Orange 7 by H ₂ O ₂ under Different Illumination Conditions: Fe Doping Improves Photocatalytic Activity under Simulated Solar Light. <i>Catalysts</i> , 2017, 7, 213.	3.5	24
62	Enhanced stability of organic field-effect transistor biosensors bearing electrosynthesized ZnO nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 210-217.	7.8	23
63	Effect of metal clusters on the swelling of goldâ€fluorocarbonâ€polymer composite films. <i>Applied Physics Letters</i> , 2002, 80, 1565-1567.	3.3	22
64	Thermally annealed gold nanoparticles for surface-assisted laser desorption ionisationâ€mass spectrometry of low molecular weight analytes. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1703-1711.	3.7	22
65	Ion beam sputtering deposition of silver nanoparticles and TiO _x /ZnO nanocomposites for use in surface enhanced vibrational spectroscopy (SERS and SEIRAS). <i>Mikrochimica Acta</i> , 2018, 185, 153.	5.0	22
66	Deposition and analytical characterization of fluoropolymer thin films modified by palladium nanoparticles. <i>Thin Solid Films</i> , 2004, 449, 25-33.	1.8	21
67	Application of Reverse Micelle Solâ€Gel Synthesis for Bulk Doping and Heteroatoms Surface Enrichment in Mo-Doped TiO ₂ Nanoparticles. <i>Materials</i> , 2019, 12, 937.	2.9	21
68	Biocompatible channels for field-flow fractionation of biological samples: correlation between surface composition and operating performance. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 639-646.	3.7	20
69	Spectroscopic Characterization of Copper-Chitosan Nanoantimicrobials Prepared by Laser Ablation Synthesis in Aqueous Solutions. <i>Nanomaterials</i> , 2017, 7, 6.	4.1	19
70	Effect of the gate metal work function on water-gated ZnO thin-film transistor performance. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 275101.	2.8	18
71	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.	5.2	18
72	Gas sensing properties of MWCNT layers electrochemically decorated with Au and Pd nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 592-603.	2.8	18

#	ARTICLE	IF	CITATIONS
73	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.	7.5	18
74	Glutathione-loaded solid lipid nanoparticles based on Gelucire® 50/13: Spectroscopic characterization and interactions with fish cells. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 47, 359-366.	3.0	17
75	Electrochemical Preparation of Synergistic Nanoantimicrobials. <i>Molecules</i> , 2020, 25, 49.	3.8	17
76	Effective Inclusion of Sizable Amounts of Mo within TiO ₂ Nanoparticles Can Be Obtained by Reverse Micelle Sol-Gel Synthesis. <i>ACS Omega</i> , 2021, 6, 5379-5388.	3.5	16
77	Radiation detectors based on Multiwall Carbon Nanotubes deposited by a spray technique. <i>Thin Solid Films</i> , 2013, 543, 19-22.	1.8	15
78	Surface characterization of textiles modified by copper and zinc oxide nanoantimicrobials. <i>Surface and Interface Analysis</i> , 2016, 48, 505-508.	1.8	15
79	Sensitive detection of hydrocarbon gases using electrochemically Pd-modified ZnO chemiresistors. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 82-90.	2.8	15
80	Cadmium decontamination through ball milling using an expandable clay mineral. <i>Applied Clay Science</i> , 2019, 182, 105256.	5.2	15
81	Pros and Cons of Sacrificial Anode Electrolysis for the Preparation of Transition Metal Colloids: A Review. <i>ChemElectroChem</i> , 2020, 7, 386-394.	3.4	15
82	Oxidized Alginate Dopamine Conjugate: In Vitro Characterization for Nose-to-Brain Delivery Application. <i>Materials</i> , 2021, 14, 3495.	2.9	15
83	Analytical Characterisation of Pd/ZrO ₂ Composite Nanoparticles Employed in Heterogeneous Catalysis. <i>Current Nanoscience</i> , 2007, 3, 121-127.	1.2	15
84	Recent advances on the spectroscopic characterization of microbial biofilms: A critical review. <i>Analytica Chimica Acta</i> , 2022, 1195, 339433.	5.4	15
85	Design of novel indium oxide supported gold nanocatalysts and their application in homocoupling of arylboronic acids. <i>Journal of Molecular Catalysis A</i> , 2014, 386, 101-107.	4.8	14
86	Effect of the Surface Chemical Composition and of Added Metal Cation Concentration on the Stability of Metal Nanoparticles Synthesized by Pulsed Laser Ablation in Water. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4169.	2.5	14
87	Novel polyethylene oxide coatings implementing ultra-stable laser-ablated silver nanoparticles. <i>Applied Surface Science</i> , 2020, 507, 145156.	6.1	13
88	ZnO Nanostructures with Antibacterial Properties Prepared by a Green Electrochemical-Thermal Approach. <i>Nanomaterials</i> , 2020, 10, 473.	4.1	13
89	A multi-analytical approach to amber characterisation. <i>Chemical Papers</i> , 2014, 68, .	2.2	12
90	Valorization of C5 polyols by direct carboxylation to FDCA: Synthesis and characterization of a key intermediate and role of carbon dioxide. <i>Journal of CO₂ Utilization</i> , 2019, 32, 170-177.	6.8	12

#	ARTICLE	IF	CITATIONS
91	Platinum(IV) Complexes of trans-1,2-diamino-4-cyclohexene: Prodrugs Affording an Oxaliplatin Analogue that Overcomes Cancer Resistance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2325.	4.1	12
92	Reverse Micelle Strategy for the Synthesis of MnO ₂ @TiO ₂ Active Catalysts for NH ₃ -Selective Catalytic Reduction of NO _x at Both Low Temperature and Low Mn Content. <i>ACS Omega</i> , 2021, 6, 24562-24574.	3.5	12
93	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.	0.9	11
94	Synergistic Effects of Active Sites Nature and Hydrophilicity on the Oxygen Reduction Reaction Activity of Pt-Free Catalysts. <i>Nanomaterials</i> , 2018, 8, 643.	4.1	11
95	Sensing nanoparticle-protein corona using nanoparticle enhanced Laser Induced Breakdown Spectroscopy signal enhancement. <i>Talanta</i> , 2021, 235, 122741.	5.5	11
96	A large-area organic transistor with 3D-printed sensing gate for noninvasive single-molecule detection of pancreatic mucinous cyst markers. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5657-5669.	3.7	11
97	Core-shell Pd nanoparticles embedded in SnO _x films. Synthesis, analytical characterisation and perspective application in chemiresistor-type sensing devices. <i>Microelectronics Journal</i> , 2006, 37, 1620-1628.	2.0	10
98	Combined analysis of enamelled and gilded glassware from Frederick II Castle at Melfi (Italy) to identify technology and raw materials. <i>X-Ray Spectrometry</i> , 2015, 44, 191-200.	1.4	10
99	Chitosan Nanoparticles for Topical Co-administration of the Antioxidants Glutathione and Idebenone: Characterization and In vitro Release. <i>British Journal of Pharmaceutical Research</i> , 2014, 4, 2387-2406.	0.4	10
100	Study of Phenol-Like Compounds Antioxidative Behavior on Low-Density Lipoprotein Gold Modified Electrode. <i>Electroanalysis</i> , 2002, 14, 858.	2.9	9
101	Non-destructive depth profile reconstruction of bio-engineered surfaces by parallel-angle-resolved X-ray photoelectron spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 713-724.	3.7	9
102	New Insights in the Ion Beam Sputtering Deposition of ZnO-Fluoropolymer Nanocomposites. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 77.	2.5	9
103	Cu Nanoparticle-Loaded Nanovesicles with Antibiofilm Properties. Part I: Synthesis of New Hybrid Nanostructures. <i>Nanomaterials</i> , 2020, 10, 1542.	4.1	9
104	Synthesis and Characterization of p-n Junction Ternary Mixed Oxides for Photocatalytic Coprocessing of CO ₂ and H ₂ O. <i>Catalysts</i> , 2020, 10, 980.	3.5	9
105	Gold nanoparticles obtained by ns-pulsed laser ablation in liquids (ns-PLAL) are arranged in the form of fractal clusters. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	9
106	Improvement of Kiteplatin Efficacy by a Benzoato Pt(IV) Prodrug Suitable for Oral Administration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7081.	4.1	9
107	Bio-functionalization of ZnO water gated thin-film transistors. , 2015, , .		8
108	Solid lipid nanoparticles made of self-emulsifying lipids for efficient encapsulation of hydrophilic substances. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	8

#	ARTICLE	IF	CITATIONS
109	Electrodecoration and Characterization of Superparamagnetic Iron Oxide Nanoparticles with Bioactive Synergistic Nanocopper: Magnetic Hyperthermia-Induced Ionic Release for Anti-Biofilm Action. <i>Antibiotics</i> , 2021, 10, 119.	3.7	8
110	Opto-Electronic Characterization of Photocatalysts Based on p,n-Junction Ternary and Quaternary Mixed Oxides Semiconductors (Cu ₂ O-In ₂ O ₃ and Cu ₂ O-In ₂ O ₃ -TiO ₂). <i>Catalysts</i> , 2022, 12, 153.	3.5	8
111	Selective Aerobic Oxidation of Furfural into Furoic Acid over a Highly Recyclable MnO ₂ @CeO ₂ Core-Shell Oxide: The Role of the Morphology of the Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8615-8623.	6.7	8
112	Glutathione loaded solid lipid nanoparticles: Preparation and in vitro evaluation as delivery systems of the antioxidant peptide to immunocompetent fish cells. <i>Journal of Cellular Biotechnology</i> , 2016, 2, 1-14.	0.5	7
113	Effect of chirality on the anticancer activity of Pt(II) and Pt(IV) complexes containing 1 <i>R</i> ,2 <i>R</i> and 1 <i>S</i> ,2 <i>S</i> enantiomers of the <i>trans</i> -1,2-diamino-4-cyclohexene ligand (DACHEX), an analogue of diaminocyclohexane used in oxaliplatin. <i>Dalton Transactions</i> , 2021, 50, 15655-15668.	3.3	7
114	3. Polymer surface chemistry: Characterization by XPS. , 2014, , 73-112.		6
115	A Pt(IV) prodrug of kiteplatin with the bone-targeting pyrophosphate ligand. <i>Inorganica Chimica Acta</i> , 2019, 494, 98-104.	2.4	6
116	Electrochemical deposition of gold on indium zirconate (InZrOx with In/Zr atomic ratio 1.0) for high temperature automobile exhaust gas sensors. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2859-2868.	2.5	5
117	Enzyme based field effect transistor: State-of-the-art and future perspectives. <i>Electrochemical Science Advances</i> , 2023, 3, .	2.8	5
118	Functionalized interfaces by plasma treatments on silicon and silicon dioxide substrates. <i>Thin Solid Films</i> , 2007, 515, 7195-7202.	1.8	4
119	Electrosynthesized Polystyrene Sulphonate-Capped Zinc Oxide Nanoparticles as Electrode Modifiers for Sensing Devices. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1675, 15-20.	0.1	4
120	Designing functionalized gold surfaces and nanostructures for Laser Desorption Ionisation Mass Spectrometry. <i>Vacuum</i> , 2014, 100, 78-83.	3.5	4
121	Au/In ₂ O ₃ and Au/ZrO ₂ composite nanoparticles via <i>in situ</i> sacrificial gold electrolysis. <i>Materials Express</i> , 2015, 5, 171-179.	0.5	4
122	Successes and Issues in the Growth of Moad and MoSe ₂ on Ag(111) by the E-ALD Method. <i>Metals</i> , 2019, 9, 122.	2.3	4
123	Gold Nanoparticles Synthesis Using Stainless Steel as Solid Reductant: A Critical Overview. <i>Nanomaterials</i> , 2020, 10, 622.	4.1	4
124	A New Nanocomposite Packaging Based on LASIS-Generated AgNPs for the Preservation of Apple Juice. <i>Antibiotics</i> , 2021, 10, 760.	3.7	4
125	Enzyme based amperometric wide field biosensors: Is single-molecule detection possible?. <i>Electrochemical Science Advances</i> , 2023, 3, .	2.8	4
126	One- vs two-step preparation of antimicrobial coatings composed of laser ablated copper nanoparticles and poly-lactic acid. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1453, 1.	0.1	3

#	ARTICLE	IF	CITATIONS
127	A conductive surface coating for Si-CNT radiation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 790, 14-18.	1.6	3
128	Application of pervaporation membranes to the direct carboxylation of ethene glycol using CeO ₂ -based catalysts—Comparison of the batch reaction to a flow reaction in SC-CO ₂ . Journal of CO ₂ Utilization, 2022, 58, 101918.	6.8	3
129	Electrochemical and X-ray Photoelectron Spectroscopy Surface Characterization of Interchain-Driven Self-Assembled Monolayer (SAM) Reorganization. Nanomaterials, 2022, 12, 867.	4.1	3
130	Advanced NOx Sensors for Mechatronic Applications. , 2011, , .		2
131	Laser Ablation Synthesis in Solution of Nanoantimicrobials for Food Packaging Applications. Materials Research Society Symposia Proceedings, 2015, 1804, 37-42.	0.1	2
132	Heck Reaction Catalyzed by Nanosized Palladium on Chitosan in Ionic Liquids.. ChemInform, 2005, 36, no.	0.0	1
133	Plasma treatment effects on Si and Si/dielectric film heterostructures. Journal of Materials Processing Technology, 2008, 206, 462-466.	6.3	1
134	Nonconventional Routes to Silver Nanoantimicrobials. , 2015, , 87-105.		1
135	Core-shell gold nanoparticles and gold-decorated metal oxides for gas sensing applications. , 2011, , .		0
136	Surface Analytical Characterization of P3HT-Streptavidin Bilayers for Biosensing Applications. Materials Research Society Symposia Proceedings, 2015, 1795, 35-40.	0.1	0
137	Characterization of modified working electrodes for sensing applications by means of electrolyte-gated TFT and cyclic voltammetry. , 2017, , .		0
138	Advances in the Definition of a Drop-Based Functionalization Protocol for CMOS-Compatible MEMS Biosensors. Lecture Notes in Electrical Engineering, 2014, , 145-148.	0.4	0