

Nicola Cioffi

List of Publications by Year in descending order

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171
papers

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citations

53794

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178
all docs

178
docs citations

178
times ranked

9423
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzyme based amperometric wide field biosensors: Is single-molecule detection possible?. Electrochemical Science Advances, 2023, 3, .	2.8	4
2	Enzyme based field effect transistor: State-of-the-art and future perspectives. Electrochemical Science Advances, 2023, 3, .	2.8	5
3	Recent advances on the spectroscopic characterization of microbial biofilms: A critical review. Analytica Chimica Acta, 2022, 1195, 339433.	5.4	15
4	On the Efficacy of ZnO Nanostructures against SARS-CoV-2. International Journal of Molecular Sciences, 2022, 23, 3040.	4.1	25
5	A large-area organic transistor with 3D-printed sensing gate for noninvasive single-molecule detection of pancreatic mucinous cyst markers. Analytical and Bioanalytical Chemistry, 2022, 414, 5657-5669.	3.7	11
6	Silver-fluoropolymer (Ag-CFX) films: Kinetic study of silver release, and spectroscopic-microscopic insight into the inhibition of P. fluorescens biofilm formation. Analytica Chimica Acta, 2022, 1212, 339892.	5.4	5
7	Green Synthesis and Characterization of Antimicrobial Synergistic AgCl/BAC Nanocolloids. ACS Applied Bio Materials, 2022, 5, 3230-3240.	4.6	4
8	Electrodecoration and Characterization of Superparamagnetic Iron Oxide Nanoparticles with Bioactive Synergistic Nanocopper: Magnetic Hyperthermia-Induced Ionic Release for Anti-Biofilm Action. Antibiotics, 2021, 10, 119.	3.7	8
9	A New Nanocomposite Packaging Based on LASIS-Generated AgNPs for the Preservation of Apple Juice. Antibiotics, 2021, 10, 760.	3.7	4
10	Ag-Based Synergistic Antimicrobial Composites. A Critical Review. Nanomaterials, 2021, 11, 1687.	4.1	38
11	Oxidized Alginate Dopamine Conjugate: In Vitro Characterization for Nose-to-Brain Delivery Application. Materials, 2021, 14, 3495.	2.9	15
12	Sensing nanoparticle-protein corona using nanoparticle enhanced Laser Induced Breakdown Spectroscopy signal enhancement. Talanta, 2021, 235, 122741.	5.5	11
13	Gold nanoparticles obtained by ns-pulsed laser ablation in liquids (ns-PLAL) are arranged in the form of fractal clusters. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	9
14	Ultimately Sensitive Organic Bioelectronic Transistor Sensors by Materials and Device Structure Design. Advanced Functional Materials, 2020, 30, 1904513.	14.9	97
15	Underpotential-Assisted Electrodeposition of Highly Crystalline and Smooth Thin Film of Bismuth. ChemElectroChem, 2020, 7, 299-305.	3.4	4
16	Pros and Cons of Sacrificial Anode Electrolysis for the Preparation of Transition Metal Colloids: A Review. ChemElectroChem, 2020, 7, 386-394.	3.4	15
17	Novel polyethylene oxide coatings implementing ultra-stable laser-ablated silver nanoparticles. Applied Surface Science, 2020, 507, 145156.	6.1	13
18	Electrochemical Preparation of Synergistic Nanoantimicrobials. Molecules, 2020, 25, 49.	3.8	17

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19	Microwave-Assisted Solvothermal Synthesis of Fe ₃ O ₄ /CeO ₂ Nanocomposites and Their Catalytic Activity in the Imine Formation from Benzyl Alcohol and Aniline. <i>Catalysts</i> , 2020, 10, 1325.	3.5	11
20	Cu Nanoparticle-Loaded Nanovesicles with Antibiofilm Properties. Part I: Synthesis of New Hybrid Nanostructures. <i>Nanomaterials</i> , 2020, 10, 1542.	4.1	9
21	New Hybrid Light Harvesting Antenna Based on Silicon Nanowires and Metal Dendrimers. <i>Advanced Optical Materials</i> , 2020, 8, 2001070.	7.3	17
22	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
23	ZnO Nanostructures with Antibacterial Properties Prepared by a Green Electrochemical-Thermal Approach. <i>Nanomaterials</i> , 2020, 10, 473.	4.1	13
24	About the amplification factors in organic bioelectronic sensors. <i>Materials Horizons</i> , 2020, 7, 999-1013.	12.2	86
25	Gold Nanoparticles Synthesis Using Stainless Steel as Solid Reductant: A Critical Overview. <i>Nanomaterials</i> , 2020, 10, 622.	4.1	4
26	Can Nanotechnology and Materials Science Help the Fight against SARS-CoV-2?. <i>Nanomaterials</i> , 2020, 10, 802.	4.1	194
27	Combined Use of Streaming Potential and UV/Vis To Assess Surface Modification of Fabrics via Soil Release Polymers. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14839-14847.	3.7	7
28	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
29	Solid lipid nanoparticles made of self-emulsifying lipids for efficient encapsulation of hydrophilic substances. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	8
30	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
31	Measurement of the zeta-potential of solid surfaces through Laser Doppler Electrophoresis of colloid tracer in a dip-cell: Survey of the effect of ionic strength, pH, tracer chemical nature and size. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 576, 82-90.	4.7	21
32	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
33	Application of gold nanoparticles embedded in the amyloids fibrils as enhancers in the laser induced breakdown spectroscopy for the metal quantification in microdroplets. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 155, 115-122.	2.9	29
34	Successes and Issues in the Growth of MoS ₂ and MoSe ₂ on Ag(111) by the E-ALD Method. <i>Metals</i> , 2019, 9, 122.	2.3	4
35	Ag modified ZnS for photocatalytic water pollutants degradation: Influence of metal loading and preparation method. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 671-681.	9.4	43
36	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

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37	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
38	Improved Performance p-type Polymer (P3HT) / n-type Nanotubes (WS ₂) Electrolyte Gated Thin-Film Transistor. <i>MRS Advances</i> , 2018, 3, 1525-1533.	0.9	3
39	Operando SXR D of E-ALD deposited sulphides ultra-thin films: Crystallite strain and size. <i>Applied Surface Science</i> , 2018, 432, 53-59.	6.1	5
40	Electrospun Nanomaterials Implementing Antibacterial Inorganic Nanophases. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1643.	2.5	37
41	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
42	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
43	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
44	The Pros and Cons of the Use of Laser Ablation Synthesis for the Production of Silver Nano-Antimicrobials. <i>Antibiotics</i> , 2018, 7, 67.	3.7	115
45	New Insights in the Ion Beam Sputtering Deposition of ZnO-Fluoropolymer Nanocomposites. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 77.	2.5	9
46	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
47	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
48	Light-emitting silicon nanowires obtained by metal-assisted chemical etching. <i>Semiconductor Science and Technology</i> , 2017, 32, 043004.	2.0	39
49	Surface analytical characterization of Streptavidin/poly(3-hexylthiophene) bilayers for bio-electronic applications. <i>Applied Surface Science</i> , 2017, 420, 313-322.	6.1	10
50	The double layer capacitance of ionic liquids for electrolyte gating of ZnO thin film transistors and effect of gate electrodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3509-3518.	5.5	66
51	Electrosynthesis of ZnO nanomaterials in aqueous medium with CTAB cationic stabilizer. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 338-345.	2.4	10
52	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
53	Electrical current at micro-/macro-scale of undoped and nitrogen-doped MWPECVD diamond films. <i>Applied Surface Science</i> , 2017, 426, 456-465.	6.1	3
54	Ionic liquids/ZnO nanoparticles as recyclable catalyst for polycarbonate depolymerization. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 107-116.	4.8	103

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55	Spectroscopic Characterization of Copper-Chitosan Nanoantimicrobials Prepared by Laser Ablation Synthesis in Aqueous Solutions. <i>Nanomaterials</i> , 2017, 7, 6.	4.1	19
56	Mechanisms of Nanophase-Induced Desorption in LDI-MS. A Short Review. <i>Nanomaterials</i> , 2017, 7, 75.	4.1	66
57	Spectroscopic Characterization and Nanosafety of Ag-Modified Antibacterial Leather and Leatherette. <i>Nanomaterials</i> , 2017, 7, 203.	4.1	19
58	Sensitive detection of hydrocarbon gases using electrochemically Pd-modified ZnO chemiresistors. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 82-90.	2.8	15
59	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
60	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
61	Investigation of Industrial Polyurethane Foams Modified with Antimicrobial Copper Nanoparticles. <i>Materials</i> , 2016, 9, 544.	2.9	24
62	Surface characterization of textiles modified by copper and zinc oxide nanoantimicrobials. <i>Surface and Interface Analysis</i> , 2016, 48, 505-508.	1.8	15
63	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
64	Recent advances in the synthesis and characterization of nano-antimicrobials. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 84, 131-138.	11.4	59
65	Functionalization of silicon nanowire arrays by silver nanoparticles for the laser desorption ionization mass spectrometry analysis of vegetable oils. <i>Journal of Mass Spectrometry</i> , 2016, 51, 849-856.	1.6	19
66	MALDI-TOF mass spectrometry analysis of proteins and lipids in <i>Escherichia coli</i> exposed to copper ions and nanoparticles. <i>Journal of Mass Spectrometry</i> , 2016, 51, 828-840.	1.6	17
67	Electrodeposition and Characterization of p and n Sulfide Semiconductors Composite Thin Film. <i>Journal of the Electrochemical Society</i> , 2016, 163, D3034-D3039.	2.9	5
68	Decoration of silicon nanowires with silver nanoparticles for ultrasensitive surface enhanced Raman scattering. <i>Nanotechnology</i> , 2016, 27, 375603.	2.6	33
69	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
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	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
72	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

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73	Laser Ablation Synthesis in Solution of Nanoantimicrobials for Food Packaging Applications. Materials Research Society Symposia Proceedings, 2015, 1804, 37-42.	0.1	2
74	Surface Analytical Characterization of P3HT-Streptavidin Bilayers for Biosensing Applications. Materials Research Society Symposia Proceedings, 2015, 1795, 35-40.	0.1	0
75	Au/In ₂ O ₃ and Au/ZrO ₂ composite nanoparticles via <i>in situ</i> sacrificial gold electrolysis. Materials Express, 2015, 5, 171-179.	0.5	4
76	Nonconventional Routes to Silver Nanoantimicrobials. , 2015, , 87-105.		1
77	Electrochemical deposition of gold on indium zirconate (InZrOx with In/Zr atomic ratio 1.0) for high temperature automobile exhaust gas sensors. Journal of Solid State Electrochemistry, 2015, 19, 2859-2868.	2.5	5
78	Electrodeposited semiconductors at room temperature: an X-ray Absorption Spectroscopy study of Cu-, Zn-, S-bearing thin films. Electrochimica Acta, 2015, 179, 495-503.	5.2	12
79	Electrosynthesis and characterization of ZnO nanoparticles as inorganic component in organic thin-film transistor active layers. Electrochimica Acta, 2015, 178, 45-54.	5.2	24
80	Copper(II)-catalysed oxidative carbonylation of aminols and amines in water: A direct access to oxazolidinones, ureas and carbamates. Journal of Molecular Catalysis A, 2015, 407, 8-14.	4.8	27
81	Sn-deficiency in the electrodeposited ternary CuxSnySz thin films by ECALE. Solar Energy Materials and Solar Cells, 2015, 138, 9-16.	6.2	15
82	Surface chemical and biological characterization of flax fabrics modified with silver nanoparticles for biomedical applications. Materials Science and Engineering C, 2015, 52, 1-10.	7.3	48
83	Shape-control by microwave-assisted hydrothermal method for the synthesis of magnetite nanoparticles using organic additives. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	35
84	The Phospholipidomic Signatures of Human Blood Microparticles, Platelets and Platelet-Derived Microparticles: a Comparative HILIC-ESI-MS Investigation. Lipids, 2015, 50, 71-84.	1.7	17
85	Synthesis and characterization of hybrid copper-chitosan nano-antimicrobials by femtosecond laser-ablation in liquids. Materials Letters, 2014, 136, 397-400.	2.6	37
86	Electrosynthesized Polystyrene Sulphonate-Capped Zinc Oxide Nanoparticles as Electrode Modifiers for Sensing Devices. Materials Research Society Symposia Proceedings, 2014, 1675, 15-20.	0.1	4
87	Mucoadhesive Properties and Interaction with P-Glycoprotein (P-gp) of Thiolated-Chitosans and -Glycol Chitosans and Corresponding Parent Polymers: A Comparative Study. Biomacromolecules, 2014, 15, 882-893.	5.4	35
88	Reduction of spectral interferences using ultraclean gold nanowire arrays in the LDI-MS analysis of a model peptide. Analytical and Bioanalytical Chemistry, 2014, 406, 4571-4583.	3.7	12
89	Design of novel indium oxide supported gold nanocatalysts and their application in homocoupling of arylboronic acids. Journal of Molecular Catalysis A, 2014, 386, 101-107.	4.8	14
90	Designing functionalized gold surfaces and nanostructures for Laser Desorption Ionisation Mass Spectrometry. Vacuum, 2014, 100, 78-83.	3.5	4

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91	Ion Beam Sputtering Deposition and Characterization of ZnO-Fluoropolymer Nano-Antimicrobials. Science of Advanced Materials, 2014, 6, 1019-1025.	0.7	11
92	Electrophoretic deposition of Au NPs on CNT networks for sensitive NO ₂ detection. Journal of Sensors and Sensor Systems, 2014, 3, 245-252.	0.9	5
93	Chitosan Nanoparticles for Topical Co-administration of the Antioxidants Glutathione and Idebenone: Characterization and In vitro Release. British Journal of Pharmaceutical Research, 2014, 4, 2387-2406.	0.4	10
94	Non-destructive depth profile reconstruction of bio-engineered surfaces by parallel-angle-resolved X-ray photoelectron spectroscopy. Analytical and Bioanalytical Chemistry, 2013, 405, 713-724.	3.7	9
95	Systemic heparin delivery by the pulmonary route using chitosan and glycol chitosan nanoparticles. International Journal of Pharmaceutics, 2013, 447, 115-123.	5.2	77
96	NO sensing one- and two-dimensional carbon nanostructures and nanohybrids: Progress and perspectives. Sensors and Actuators B: Chemical, 2013, 181, 9-21.	7.8	34
97	Part per Trillion Label-Free Electronic Bioanalytical Detection. Analytical Chemistry, 2013, 85, 3849-3857.	6.5	55
98	Metal nanoantimicrobials for textile applications. Nanotechnology Reviews, 2013, 2, 307-331.	5.8	67
99	Radiation detectors based on Multiwall Carbon Nanotubes deposited by a spray technique. Thin Solid Films, 2013, 543, 19-22.	1.8	15
100	Volatile general anesthetic sensing with organic field-effect transistors integrating phospholipid membranes. Biosensors and Bioelectronics, 2013, 40, 303-307.	10.1	17
101	A novel preservation technique applied to fiordilatte cheese. Innovative Food Science and Emerging Technologies, 2013, 19, 158-165.	5.6	82
102	PECVD of Hydrophilic COOH Functionalized Coatings on Electrolyte Gated Field-Effect Transistor Electronic Layers. Plasma Processes and Polymers, 2013, 10, 102-109.	3.0	26
103	One- vs two-step preparation of antimicrobial coatings composed of laser ablated copper nanoparticles and poly-lactic acid. Materials Research Society Symposia Proceedings, 2012, 1453, 1.	0.1	3
104	Interfacial electronic effects in functional bilayers integrated into organic field-effect transistors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6429-6434.	7.1	109
105	Pd nanoparticle catalysed one-pot sequential Heck and Suzuki couplings of bromo-chloroarenes in ionic liquids and water. Organic and Biomolecular Chemistry, 2012, 10, 808-813.	2.8	40
106	Synthesis and Antimicrobial Activity of Copper Nanomaterials. , 2012, , 85-117.		36
107	Ullmann Homocoupling Catalysed by Gold Nanoparticles in Water and Ionic Liquid. Advanced Synthesis and Catalysis, 2012, 354, 2777-2788.	4.3	46
108	NO sensors based on semiconducting metal oxide nanostructures: Progress and perspectives. Sensors and Actuators B: Chemical, 2012, 171-172, 25-42.	7.8	371

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109	Thermally annealed gold nanoparticles for surface-assisted laser desorption ionisation mass spectrometry of low molecular weight analytes. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1703-1711.	3.7	22
110	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
111	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
112	Optical sensor for nanoparticles. , 2011, , .		0
113	Virus-like Poly(3,4-ethylenedioxythiophene) Composite Films for Impedance-Based Biosensing. <i>Analytical Chemistry</i> , 2011, 83, 2420-2424.	6.5	35
114	Spectrochemical Characterization of Thin Layers of Lipoprotein Self-Assembled Films on Solid Supports Under Oxidation Process. <i>Analytical Letters</i> , 2011, 44, 747-760.	1.8	6
115	Core-shell gold nanoparticles and gold-decorated metal oxides for gas sensing applications. , 2011, , .		0
116	Advanced NOx Sensors for Mechatronic Applications. , 2011, , .		2
117	Carbon based materials for electronic bio-sensing. <i>Materials Today</i> , 2011, 14, 424-433.	14.2	138
118	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
119	Electrosynthesis and characterization of gold nanoparticles for electronic capacitance sensing of pollutants. <i>Electrochimica Acta</i> , 2011, 56, 3713-3720.	5.2	47
120	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
121	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
122	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
123	Laser Desorption Ionization-Mass Spectrometry Detection of Amino Acids and Peptides Promoted by Gold Nanowires. <i>Sensor Letters</i> , 2010, 8, 539-544.	0.4	9
124	Optical and Electronic NOx Sensors for Applications in Mechatronics. <i>Sensors</i> , 2009, 9, 3337-3356.	3.8	25
125	An organic field effect transistor as a selective NOx sensor operated at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2009, 140, 445-450.	7.8	63
126	Analytical characterization of chitosan nanoparticles for peptide drug delivery applications. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 207-215.	3.7	55

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127	Silver nanofractals: electrochemical synthesis, XPS characterization and application in LDI-MS. Analytical and Bioanalytical Chemistry, 2009, 394, 1375-1383.	3.7	36
128	Contact effects in organic thin-film transistor sensors. Organic Electronics, 2009, 10, 233-239.	2.6	51
129	Plasma treatment effects on Si and Si/dielectric film heterostructures. Journal of Materials Processing Technology, 2008, 206, 462-466.	6.3	1
130	Theoretical analysis of a palladium-based one-dimensional metallo-dielectric photonic band gap structure for applications to H ₂ sensors. Journal of Applied Physics, 2008, 103, .	2.5	14
131	Au Nanoparticles as Gate Material for NO _x Field Effect Capacitive Sensors. Sensor Letters, 2008, 6, 577-584.	0.4	16
132	Core-Shell Gold Nanoparticles as Non-Conventional Matrix for the MALDI-ToF-MS Detection of Amino Acids: A Preliminary Study. Sensor Letters, 2008, 6, 654-661.	0.4	11
133	Selected Peer-Reviewed Articles from the Symposium "Organic and Inorganic Materials for Micro and Nano Bio-Sensing Systems" of the EMRS Spring Meeting 2007. Sensor Letters, 2008, 6, 463-464.	0.4	0
134	Functionalized interfaces by plasma treatments on silicon and silicon dioxide substrates. Thin Solid Films, 2007, 515, 7195-7202.	1.8	4
135	Palladium-nanoparticles catalyzed hydrodehalogenation of aryl chlorides in ionic liquids. Journal of Organometallic Chemistry, 2007, 692, 4397-4401.	1.8	34
136	Analytical investigations of poly(acrylic acid) coatings electrodeposited on titanium-based implants: a versatile approach to biocompatibility enhancement. Analytical and Bioanalytical Chemistry, 2007, 389, 2055-2063.	3.7	82
137	Analytical Characterisation of Pd/ZrO ₂ Composite Nanoparticles Employed in Heterogeneous Catalysis. Current Nanoscience, 2007, 3, 121-127.	1.2	15
138	Core-shell Pd nanoparticles embedded in SnO _x films. Synthesis, analytical characterisation and perspective application in chemiresistor-type sensing devices. Microelectronics Journal, 2006, 37, 1620-1628.	2.0	10
139	Pd supported on tetragonal zirconia: Electrosynthesis, characterization and catalytic activity toward CO oxidation and CH ₄ combustion. Applied Catalysis B: Environmental, 2005, 60, 73-82.	20.2	56
140	Heck Reaction Catalyzed by Nanosized Palladium on Chitosan in Ionic Liquids.. ChemInform, 2005, 36, no.	0.0	1
141	Dual ion-beam sputtering deposition of palladium-fluoropolymer nano-composites. Applied Physics A: Materials Science and Processing, 2005, 80, 791-795.	2.3	5
142	Analytical characterization of bioactive fluoropolymer ultra-thin coatings modified by copper nanoparticles. Analytical and Bioanalytical Chemistry, 2005, 381, 607-616.	3.7	150
143	Biocompatible channels for field-flow fractionation of biological samples: correlation between surface composition and operating performance. Analytical and Bioanalytical Chemistry, 2005, 381, 639-646.	3.7	20
144	Synthesis, analytical characterization and bioactivity of Ag and Cu nanoparticles embedded in poly-vinyl-methyl-ketone films. Analytical and Bioanalytical Chemistry, 2005, 382, 1912-1918.	3.7	134

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145	Copper Nanoparticle/Polymer Composites with Antifungal and Bacteriostatic Properties. Chemistry of Materials, 2005, 17, 5255-5262.	6.7	716
146	Copper Bronze Catalyzed Heck Reaction in Ionic Liquids. Organic Letters, 2005, 7, 617-620.	4.6	105
147	Alkoxy-substituted polyterthiophene thin-film-transistors as alcohol sensors. Sensors and Actuators B: Chemical, 2004, 98, 204-207.	7.8	74
148	Deposition and analytical characterization of fluoropolymer thin films modified by palladium nanoparticles. Thin Solid Films, 2004, 449, 25-33.	1.8	21
149	The swelling of vapor-sensitive fluoropolymers modified with metal nanoparticles: interpretation of the material's vapor interaction mechanism. Sensors and Actuators B: Chemical, 2004, 100, 9-16.	7.8	12
150	Poly(phenyleneethynylene) polymers bearing glucose substituents as promising active layers in enantioselective chemiresistors. Sensors and Actuators B: Chemical, 2004, 100, 17-21.	7.8	29
151	Antifungal activity of polymer-based copper nanocomposite coatings. Applied Physics Letters, 2004, 85, 2417-2419.	3.3	172
152	Heck Reaction Catalyzed by Nanosized Palladium on Chitosan in Ionic Liquids. Organometallics, 2004, 23, 5154-5158.	2.3	170
153	High-performance organic thin film transistor sensors. , 2004, , .		4
154	Pd Nanoparticles Catalyzed Stereospecific Synthesis of β^2 -Aryl Cinnamic Esters in Ionic Liquids.. ChemInform, 2003, 34, no.	0.0	0
155	Ion-beam sputtered palladium-fluoropolymer nano-composites as active layers for organic vapours sensors. Sensors and Actuators B: Chemical, 2003, 93, 181-186.	7.8	16
156	Characterization of soluble oligomers produced by electrochemical oxidation of o-phenylenediamine by electrospray ionization sequential mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 1169-1179.	1.5	20
157	Regioregular polythiophene field-effect transistors employed as chemical sensors. Sensors and Actuators B: Chemical, 2003, 93, 257-262.	7.8	77
158	Simultaneous Determination of Ochratoxin A and Cyclopiazonic, Mycophenolic, and Tenuazonic Acids in Cornflakes by Solid-Phase Microextraction Coupled to High-Performance Liquid Chromatography. Journal of Agricultural and Food Chemistry, 2003, 51, 5232-5237.	5.2	57
159	Pd Nanoparticles Catalyzed Stereospecific Synthesis of β^2 -Aryl Cinnamic Esters in Ionic Liquids. Journal of Organic Chemistry, 2003, 68, 2929-2933.	3.2	179
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