

Daniela Iacopino

List of Publications by Year in descending order

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papers

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citations

257101

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76
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76
docs citations

76
times ranked

2797
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot-Electron Injection in Au Nanorod@ZnO Nanowire Hybrid Device for Near-Infrared Photodetection. Nano Letters, 2014, 14, 6202-6209.	4.5	141
2	Poly(9,9-dioctylfluorene) Nanowires with Pronounced π -Phase Morphology: Synthesis, Characterization, and Optical Properties. Advanced Materials, 2008, 20, 42-48.	11.1	109
3	Probing intrinsic transport properties of single metal nanowires: Direct-write contact formation using a focused ion beam. Journal of Applied Physics, 2004, 96, 3458-3462.	1.1	100
4	DNA-Templated Assembly of Conducting Gold Nanowires between Gold Electrodes on a Silicon Oxide Substrate. Chemistry of Materials, 2005, 17, 1959-1964.	3.2	99
5	The intrinsic fluorescence spectra of selected pollen and fungal spores. Atmospheric Environment, 2011, 45, 6451-6458.	1.9	71
6	Flexible and transparent Surface Enhanced Raman Scattering (SERS)-Active Ag NPs/PDMS composites for in-situ detection of food contaminants. Talanta, 2019, 201, 58-64.	2.9	70
7	Ion-Transfer Electrochemistry at Arrays of Nanointerfaces between Immiscible Electrolyte Solutions Confined within Silicon Nitride Nanopore Membranes. Analytical Chemistry, 2010, 82, 6115-6123.	3.2	55
8	Alignment and Dynamic Manipulation of Conjugated Polymer Nanowires in Nematic Liquid Crystal Hosts. Advanced Materials, 2008, 20, 2497-2502.	11.1	54
9	Electrochemically Switched Anion Translocation in a Multicomponent Coordination Compound. Inorganic Chemistry, 1997, 36, 827-832.	1.9	45
10	Template Synthesis of Highly Oriented Polyfluorene Nanotube Arrays. Chemistry of Materials, 2008, 20, 996-1003.	3.2	42
11	Metal nanoparticle@semiconductor nanowire hybrid nanostructures for plasmon-enhanced optoelectronics and sensing. Journal of Materials Chemistry C, 2015, 3, 11785-11800.	2.7	42
12	Emission Colour Tuning in Semiconducting Polymer Nanotubes by Energy Transfer to Organo-Lanthanide Dopants. Advanced Materials, 2007, 19, 2474-2479.	11.1	36
13	Surface-Enhanced Raman Scattering of 4-Aminobenzenethiol on Au Nanorod Ordered Arrays. Journal of Physical Chemistry C, 2014, 118, 13260-13267.	1.5	36
14	Facile Formation of Ordered Vertical Arrays by Droplet Evaporation of Au Nanorod Organic Solutions. Langmuir, 2014, 30, 10206-10212.	1.6	36
15	DNA-Templated Assembly of a Protein-Functionalized Nanogap Electrode. Advanced Materials, 2004, 16, 1799-1803.	11.1	35
16	Synthesis of Pentacene Nanotubes by Melt-Assisted Template Wetting. Chemistry of Materials, 2007, 19, 338-340.	3.2	35
17	Fabrication and Electrochemical Properties of Three-Dimensional (3D) Porous Graphitic and Graphenelike Electrodes Obtained by Low-Cost Direct Laser Writing Methods. ACS Omega, 2020, 5, 1540-1548.	1.6	35
18	Flexible SERS active substrates from ordered vertical Au nanorod arrays. RSC Advances, 2014, 4, 20038.	1.7	34

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19	Interfacial charge transfer dynamics in CdSe/dipole molecules coated quantum dot polymer blends. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13047.	1.3	33
20	Manipulating the Charging Energy of Nanocrystal Arrays. <i>Small</i> , 2005, 1, 613-618.	5.2	32
21	Oriented Growth of Single-Crystalline Bi ₂ S ₃ Nanowire Arrays. <i>ChemPhysChem</i> , 2007, 8, 235-240.	1.0	32
22	Polythiophene mesowires: synthesis by template wetting and local electrical characterisation of single wires. <i>Journal of Materials Chemistry</i> , 2006, 16, 3237.	6.7	31
23	Direct Observation of Mercury Amalgamation on Individual Gold Nanorods Using Spectroelectrochemistry. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19295-19301.	1.5	30
24	Investigation of Au-Hg amalgam formation on substrate-immobilized individual Au nanorods. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8865-8872.	2.7	29
25	Laser-Induced Graphene Supercapacitors by Direct Laser Writing of Cork Natural Substrates. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1541-1551.	2.0	28
26	Dielectrophoretic self-assembly of polarized light emitting poly(9,9-dioctylfluorene) nanofibre arrays. <i>Nanotechnology</i> , 2011, 22, 105602.	1.3	24
27	Design of Experiments and Optimization of Laser-Induced Graphene. <i>ACS Omega</i> , 2021, 6, 16736-16743.	1.6	24
28	Binding ability of aldaric acid toward metal(II). X-ray study and solution state investigation on Cu(II)-galactaric acid system and its 2,2'-bipyridine adduct. <i>Inorganica Chimica Acta</i> , 1999, 292, 189-197.	1.2	23
29	Microporous silicon and biosensor development: structural analysis, electrical characterisation and biocapacity evaluation. <i>Biosensors and Bioelectronics</i> , 2005, 21, 282-292.	5.3	23
30	Luminescent Conjugated Polymer Nanowire Y-junctions with On-Branch Molecular Anisotropy. <i>Advanced Materials</i> , 2009, 21, 1160-1165.	11.1	23
31	Plasmonic detection of mercury via amalgam formation on surface-immobilized single Au nanorods. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 60-67.	2.8	23
32	Synthesis of Branched Oligonucleotides as Templates for the Assembly of Nanomaterials. <i>Helvetica Chimica Acta</i> , 2003, 86, 2814-2826.	1.0	22
33	Imaging the DNA and nanoparticle components of a self-assembled nanoscale architecture. <i>Nanotechnology</i> , 2003, 14, 447-452.	1.3	22
34	Visible Laser Scribing Fabrication of Porous Graphitic Carbon Electrodes: Morphologies, Electrochemical Properties, and Applications as Disposable Sensor Platforms. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3279-3288.	2.0	22
35	The incorporation of preformed metal nanoparticles in zinc oxide thin films using aerosol assisted chemical vapour deposition. <i>Thin Solid Films</i> , 2010, 518, 6921-6926.	0.8	21
36	A Smart Archive Box for Museum Artifact Monitoring Using Battery-Less Temperature and Humidity Sensing. <i>Sensors</i> , 2021, 21, 4903.	2.1	21

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37	Electrochemical sensor for enzymatic lactate detection based on laser-scribed graphitic carbon modified with platinum, chitosan and lactate oxidase. <i>Talanta</i> , 2022, 246, 123492.	2.9	20
38	Identification of dye content in colored BIC ballpoint pen inks by Raman spectroscopy and surface-enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 115-126.	1.2	19
39	Using spectral analysis and fluorescence lifetimes to discriminate between grass and tree pollen for aerobiological applications. <i>Analytical Methods</i> , 2014, 6, 1633-1639.	1.3	17
40	A combined Surface Enhanced Raman Spectroscopy (SERS)/UV-vis approach for the investigation of dye content in commercial felt tip pens inks. <i>Talanta</i> , 2018, 181, 448-453.	2.9	17
41	Enhanced thermal and ultrasonic stability of a fungal protease encapsulated within biomimetically generated silicate nanospheres. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 459-465.	1.1	15
42	Reversible modulation of photoluminescence from conjugated polymer nanotubes by incorporation of photochromic spirooxazine molecules. <i>Chemical Communications</i> , 2011, 47, 9170.	2.2	15
43	Characterization of contemporary and historical acrylonitrile butadiene styrene (ABS)-based objects: Pilot study for handheld Raman analysis in collections. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 242, 118733.	2.0	15
44	Multi-colour emission from dye doped polymeric nanotubes by host-guest energy transfer. <i>Journal of Materials Chemistry</i> , 2011, 21, 15995.	6.7	14
45	Metal nanoinks as chemically stable surface enhanced scattering (SERS) probes for the analysis of blue BIC ballpoint pens. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14652-14658.	1.3	14
46	Raman Spectroscopy and Surface Enhanced Raman Scattering (SERS) for the Analysis of Blue and Black Writing Inks: Identification of Dye Content and Degradation Processes. <i>Frontiers in Chemistry</i> , 2019, 7, 727.	1.8	14
47	Laser Scribing Fabrication of Graphitic Carbon Biosensors for Label-Free Detection of Interleukin-6. <i>Nanomaterials</i> , 2021, 11, 2110.	1.9	14
48	Metal(II) binding ability of a novel N-protected amino acid. A solution-state investigation on binary and ternary complexes with 2,2'-bipyridine. <i>Journal of Inorganic Biochemistry</i> , 2000, 78, 355-361.	1.5	13
49	Probe based manipulation and assembly of nanowires into organized mesostructures. <i>Nanotechnology</i> , 2008, 19, 485301.	1.3	13
50	Synthesis, optical properties and self-assembly of gold nanorods. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 688-702.	1.3	11
51	Metallic nanoparticles enhanced the spontaneous emission of semiconductor nanocrystals embedded in nanoimprinted photonic crystals. <i>Nanoscale</i> , 2013, 5, 239-245.	2.8	11
52	Handheld surface-enhanced Raman scattering identification of dye chemical composition in felt tip pen drawings. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 222-231.	1.2	11
53	Polarization dependent, surface plasmon induced photoconductance in gold nanorod arrays. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 264-268.	1.2	10
54	Optical Properties of Micro-patterned Silver Nanoparticle Substrates. <i>Journal of Fluorescence</i> , 2010, 20, 215-223.	1.3	9

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55	Highly Polarized Luminescence from \hat{I}^2 -Phase-Rich Poly(9,9-dioctylfluorene) Nanofibers. <i>Journal of Physical Chemistry A</i> , 2014, 118, 5437-5442.	1.1	9
56	Plasmonic colloidal pastes for surface-enhanced Raman spectroscopy (SERS) of historical felt-tip pens. <i>RSC Advances</i> , 2018, 8, 8365-8371.	1.7	9
57	Gold Nanowire Electrode Arrays: Investigations of Non-Faradaic Behavior. <i>Journal of the Electrochemical Society</i> , 2014, 161, B3049-B3054.	1.3	8
58	Au nanorod plasmonic superstructures obtained by a combined droplet evaporation and stamping method. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3536-3541.	2.7	8
59	Synthesis, optical properties and alignment of poly(9,9-dioctylfluorene) nanofibers. <i>Nanotechnology</i> , 2014, 25, 435607.	1.3	7
60	Non-resonant Raman spectroscopy of individual ZnO nanowires via Au nanorod surface plasmons. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1651-1657.	2.7	7
61	Fabrication of transparent composites for non-invasive Surface Enhanced Raman Scattering (SERS) analysis of modern art works. <i>Heritage Science</i> , 2019, 7, .	1.0	7
62	Controlled assembly of Au nanorods into 1D architectures by electric field assisted deposition. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6810.	2.7	6
63	Self-Assembly of Gold Nanocrystals into Discrete Coupled Plasmonic Structures. <i>Crystals</i> , 2016, 6, 117.	1.0	6
64	Dielectrophoretic Self-Assembly of Au Nanorods for Sensing Applications. <i>Journal of Physics: Conference Series</i> , 2011, 307, 012051.	0.3	4
65	Gold Nanoparticles and Oxidative Stress in the Blue Mussel, <i>Mytilus edulis</i> . <i>Methods in Molecular Biology</i> , 2013, 1028, 197-203.	0.4	4
66	A Museum Artefact Monitoring Testbed using LoRaWAN. , 2021, , .		4
67	Planarized and Nanopatterned Mesoporous Silica Thin Films by Chemical-Mechanical Polishing of Gap-Filled Topographically Patterned Substrates. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 451-461.	1.1	3
68	Chemically stable Au nanorods as probes for sensitive surface enhanced scattering (SERS) analysis of blue BIC ballpoint pens. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
69	Gate-controlled heat generation in ZnO nanowire FETs. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14042-14047.	1.3	2
70	A Flexible Method for the Fabrication of Gold Nanostructures Using Oligonucleotide Derivatives. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1605-1609.	0.4	1
71	A Combined Fluidic Force-Magnetic Field Driven Self-Assembly Technique to Yield Fully Functional Single Nanowire Electroanalytical Devices. <i>Journal of the Electrochemical Society</i> , 2016, 163, B335-B339.	1.3	1
72	Direct-write formation of integrated bottom contacts to laser-induced graphene-like carbon. <i>Nanotechnology</i> , 2022, 33, 405204.	1.3	1

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73	Enhanced photoluminescence from metals and nanoimprinted photonic crystals. , 2009, , .		0