Giuseppe Ciccarella

List of Publications by Year in descending order

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Version: 2024-02-01

172457 182427 3,104 113 29 51 citations h-index g-index papers 114 114 114 4671 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Sequential Growth of Magic-Size CdSe Nanocrystals. Advanced Materials, 2007, 19, 548-552.	21.0	289
2	Heterodimers Based on CoPt3â^'Au Nanocrystals with Tunable Domain Size. Journal of the American Chemical Society, 2006, 128, 6690-6698.	13.7	202
3	Medicinal cannabis: Principal cannabinoids concentration and their stability evaluated by a high performance liquid chromatography coupled to diode array and quadrupole time of flight mass spectrometry method. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 201-209.	2.8	113
4	Use of readily available chiral compounds related to the betti base in the enantioselective addition of diethylzinc to aryl aldehydes. Tetrahedron, 1999, 55, 14685-14692.	1.9	110
5	Selective reactions on the tips of colloidal semiconductor nanorods. Journal of Materials Chemistry, 2006, 16, 3952.	6.7	108
6	Novel Preparation Method of TiO ₂ -Nanorod-Based Photoelectrodes for Dye-Sensitized Solar Cells with Improved Light-Harvesting Efficiency. Journal of Physical Chemistry C, 2010, 114, 4228-4236.	3.1	99
7	Photocatalytic degradation of 4-nitrophenol in aqueous suspension by using polycrystalline TiO2 samples impregnated with Cu(II)-phthalocyanine. Applied Catalysis B: Environmental, 2002, 38, 309-319.	20.2	83
8	Spin-coated thin films of metal porphyrin–phthalocyanine blend for an optochemical sensor of alcohol vapours. Sensors and Actuators B: Chemical, 2004, 100, 88-93.	7.8	78
9	The Betti base: absolute configuration and routes to a family of related chiral nonracemic bases. Tetrahedron: Asymmetry, 1998, 9, 3667-3675.	1.8	76
10	Solid Polymer Electrolyte Water Electrolyser Based on Nafionâ€TiO ₂ Composite Membrane for High Temperature Operation. Fuel Cells, 2009, 9, 247-252.	2.4	71
11	Enhanced Photocatalytic Activity of Pure Anatase Tio2 and Pt-Tio2 Nanoparticles Synthesized by Green Microwave Assisted Route. Materials Research, 2015, 18, 473-481.	1.3	71
12	Surfactant-free synthesis of pure anatase TiO2 nanorods suitable for dye-sensitized solar cells. Journal of Materials Chemistry, 2010, 20, 7248.	6.7	55
13	Optical characterization and analysis of the gas/surface adsorption phenomena on phthalocyanines thin films for gas sensing application. Sensors and Actuators B: Chemical, 2005, 106, 212-220.	7.8	53
14	Metallophthalocyanines thin films in array configuration for electronic optical nose applications. Sensors and Actuators B: Chemical, 2003, 96, 489-497.	7.8	52
15	[1]Benzothieno[3,2- <i>b</i>]benzothiophene-Based Organic Dyes for Dye-Sensitized Solar Cells. Journal of Organic Chemistry, 2016, 81, 3235-3245.	3.2	52
16	Optochemical vapour detection using spin coated thin films of metal substituted phthalocyanines. Sensors and Actuators B: Chemical, 2003, 89, 86-91.	7.8	50
17	Design and synthesis of fluorenone-based dyes: two-photon excited fluorescent probes for imaging of lysosomes and mitochondria in living cells. Journal of Materials Chemistry B, 2015, 3, 3315-3323.	5.8	50
18	Insights into the role of the lead/surfactant ratio in the formation and passivation of cesium lead bromide perovskite nanocrystals. Nanoscale, 2020, 12, 623-637.	5.6	48

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19	Glucose capped silver nanoparticles induce cell cycle arrest in HeLa cells. Toxicology in Vitro, 2017, 41, 64-74.	2.4	47
20	Variation in the Optical Sensing Responses toward Vapors of a Porphyrin/Phthalocyanine Hybrid Thin Film. Chemistry of Materials, 2004, 16, 2083-2090.	6.7	46
21	A novel multisensing optical approach based on a single phthalocyanine thin films to monitoring volatile organic compounds. Sensors and Actuators B: Chemical, 2006, 113, 516-525.	7.8	41
22	Facile preparation of TiO2–polyvinyl alcohol hybrid nanoparticles with improved visible light photocatalytic activity. Applied Surface Science, 2015, 331, 292-298.	6.1	37
23	A Metabolomic Approach Applied to a Liquid Chromatography Coupled to Highâ€Resolution Tandem Mass Spectrometry Method (HPLCâ€ESIâ€HRMS/MS): Towards the Comprehensive Evaluation of the Chemical Composition of Cannabis Medicinal Extracts. Phytochemical Analysis, 2018, 29, 144-155.	2.4	35
24	Synthesis, Spectral Stability, and Electroluminescent Properties of Random Poly(2,7-fluorenylenevinylene-co-3,6-carbazolylenevinylene) Obtained by a Suzukiâ^'Heck Cascade Reaction. Macromolecules, 2007, 40, 4865-4873.	4.8	34
25	Synthesis and characterization of poly(2,3,5,6-tetrafluoro-1,4-phenylenevinylene). Chemical Communications, 2001, , 1940-1941.	4.1	32
26	TiO2 nanoparticle thin film deposition by matrix assisted pulsed laser evaporation for sensing applications. Applied Surface Science, 2007, 253, 7937-7941.	6.1	31
27	Experimental Evidence That a DNA Polymerase Can Incorporate N7â€Platinated Guanines To Give Platinated DNA. Angewandte Chemie - International Edition, 2008, 47, 507-510.	13.8	31
28	New organic dyes based on a dibenzofulvene bridge for highly efficient dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 14181-14188.	10.3	31
29	Analytical and preparative enantioseparation and main chiroptical properties of Iridium(III) bis(4,6-difluorophenylpyridinato)picolinato. Journal of Chromatography A, 2016, 1467, 335-346.	3.7	30
30	Synthesis of Phosphido-Bridged Phosphinito Platinum(I) Complexes by Reaction of cis-PtCl2(PHCy2)2 with Oxygenated Bases - Crystal Structure of $[(PCy2OMe)Pt(1\frac{1}{4}-PCy2)]2(Pt-Pt)$. European Journal of Inorganic Chemistry, 2005, 2005, 4607-4616.	2.0	29
31	First disubstituted dibenzothiophene-5,5-dioxide monodispersed molecular materials for efficient blue-electroluminescence. Journal of Materials Chemistry, 2010, 20, 1012-1018.	6.7	29
32	Synthesis of biocompatible polymeric nano-capsules based on calcium carbonate: A potential cisplatin delivery system. Journal of Inorganic Biochemistry, 2015, 153, 284-292.	3.5	29
33	UV-Vis absorption optosensing materials based on metallophthalocyanines thin films. Sensors and Actuators B: Chemical, 2004, 100, 135-138.	7.8	28
34	A predictive model of iron oxide nanoparticles flocculation tuning Z-potential in aqueous environment for biological application. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	28
35	Selective synthesis of TiO2 nanocrystals with morphology control with the microwave-solvothermal method. CrystEngComm, 2014, 16, 1817.	2.6	27
36	Novel phthalocyanines containing cardanol derivatives. Journal of Porphyrins and Phthalocyanines, 2003, 07, 52-57.	0.8	26

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37	Synthesis and characterization of a new series of dibenzofulvene based organic dyes for DSSCs. Dyes and Pigments, 2016, 130, 79-89.	3.7	26
38	Fluorine–thiophene-substituted organic dyes for dye sensitized solar cells. Journal of Materials Chemistry A, 2013, 1, 11909.	10.3	25
39	Thermal and mechanical performance of rigid polyurethane foam added with commercial nanoparticles. Nanomaterials and Nanotechnology, 2017, 7, 184798041668411.	3.0	25
40	Sub-nanomolar detection of biogenic amines by SERS effect induced by hairy Janus silver nanoparticles. Sensors and Actuators B: Chemical, 2018, 267, 265-271.	7.8	25
41	Polyelectrolyte Capsules as Carriers for Growth Factor Inhibitor Delivery to Hepatocellular Carcinoma. Macromolecular Bioscience, 2012, 12, 656-665.	4.1	24
42	Novel bifluorene based conjugated systems: synthesis and properties. Tetrahedron, 2006, 62, 627-634.	1.9	22
43	Interaction between Human Serum Albumin and Different Anatase TiO ₂ Nanoparticles: A Nano-bio Interface Study. Nanomaterials and Nanotechnology, 2015, 5, 30.	3.0	21
44	Alkyl-vinyl-ethers from alcoholic substrates and the Zeise's salt, via square planarÂ[PtCl(N–N)(η1-CH2CH2OR)] complexes. Journal of Organometallic Chemistry, 2012, 714, 104-108.	1.8	20
45	External and internal gelation of pectin solutions: microscopic dynamics versus macroscopic rheology. Journal of Physics Condensed Matter, 2014, 26, 464106.	1.8	20
46	Nonhydrolytic Route to Boronâ€Doped TiO ₂ Nanocrystals. European Journal of Inorganic Chemistry, 2013, 2013, 364-374.	2.0	19
47	Orthogonal electronic coupling in multicentre arylamine mixed-valence compounds based on a dibenzofulvene–thiophene conjugated bridge. Chemical Communications, 2017, 53, 8960-8963.	4.1	19
48	Nanostructured polysaccharidic microcapsules for intracellular release of cisplatin. International Journal of Biological Macromolecules, 2017, 99, 187-195.	7.5	18
49	Neuroprotective Investigation of Chitosan Nanoparticles for Dopamine Delivery. Applied Sciences (Switzerland), 2018, 8, 474.	2.5	18
50	CaCO3 as an Environmentally Friendly Renewable Material for Drug Delivery Systems: Uptake of HSA-CaCO3 Nanocrystals Conjugates in Cancer Cell Lines. Materials, 2019, 12, 1481.	2.9	18
51	A series of diphenylamine-fluorenone derivatives as potential fluorescent probes for neuroblastoma cell staining. Tetrahedron, 2016, 72, 2920-2928.	1.9	17
52	TGF-Beta Inihibitor-loaded Polyelectrolyte Multilayers Capsules for Sustained Targeting of Hepatocarcinoma Cells. Current Pharmaceutical Design, 2012, 18, 4155-4164.	1.9	16
53	Sonication-Assisted Production of Fosetyl-Al Nanocrystals: Investigation of Human Toxicity and In Vitro Antibacterial Efficacy against Xylella fastidiosa. Nanomaterials, 2020, 10, 1174.	4.1	16
54	Cyclocarbonylation reactions of allylphenols and allylnaphthols catalyzed by Pd/C-1,4-bis(diphenylphosphine)butane. Applied Organometallic Chemistry, 2002, 16, 543-546.	3 . 5	15

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55	Synthesis of Poly(acrylic acid) Nanogels and Application in Loading and Release of an Oligothiophene Fluorophore and Its Bovine Serum Albumin Conjugate. Macromolecular Symposia, 2009, 281, 69-76.	0.7	15
56	Biocatalytic Synthesis of Phospholipids and Their Application as Coating Agents for CaCO ₃ Nano-crystals: Characterization and Intracellular Localization Analysis. ChemistrySelect, 2016, 1, 6507-6514.	1.5	15
57	"Heart-cut―bidimensional achiral-chiral liquid chromatography applied to the evaluation of stereoselective metabolism, in vivo biological activity and brain response to chiral drug candidates targeting the central nervous system. Journal of Chromatography A, 2016, 1443, 152-161.	3.7	15
58	7-Chloro-5-(furan-3-yl)-3-methyl-4 <i>H</i> -benzo[<i>e</i>][1,2,4]thiadiazine 1,1-Dioxide as Positive Allosteric Modulator of \hat{l}_{\pm} -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptor. The End of the Unsaturated-Inactive Paradigm?. ACS Chemical Neuroscience, 2016, 7, 149-160.	3.5	15
59	Application of calcium carbonate nanocarriers for controlled release of phytodrugs against <i>Xylella fastidiosa</i> pathogen. Pure and Applied Chemistry, 2020, 92, 429-444.	1.9	15
60	Controllable One-Pot Synthesis of Anatase TiO2 Nanorods with the Microwave-Solvothermal Method. Science of Advanced Materials, 2014, 6, 1668-1675.	0.7	15
61	Synthesis and Carbonylation of Platinum(II) Organometallic Complexes with Bis(phosphanyl) Monosulfidesâ^' Crystal Structures of [κ2P,S-{Ph2CH2P(S)Ph2}Pt(CH3)(CI)] and [κP,ι¼-κS-{Ph2CH2CH2P(S)Ph2}Pt-(CH3)]2[BF4]2. European Journal of Inorganic Chemistry, 2004, 2004, 1234-1242.	2.0	14
62	Microwave-Assisted Synthesis of Boron-Modified TiO2 Nanocrystals. Inorganics, 2014, 2, 264-277.	2.7	14
63	Thiophene-based fluorescent probes with low cytotoxicity and high photostability for lysosomes in living cells. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 385-392.	2.4	14
64	Spectroscopic investigation of inner filter effects by phthalocyanine solutions. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 163, 113-120.	3.9	13
65	molecular oxygen with a terminal phosphido complexElectronic supplementary information (ESI) available: Fig. S1: ESI-MS positive spectrum of 2. Fig. S2: 1H NMR spectrum of 2 in the low-field region. Fig. S3: 195Pt{1H} NMR spectrum of 2. Fig. S4: 2-D 1H/195Pt XHCOR NMR spectrum of 2. Fig. S5: IR spectrum of 2 (Nuiol mull). Fig. S6: 31P{1H} NMR spectrum of 2. Fig. S7: I-resolved 1H NMR spots of 2. Table S1:	3.3	13
66	Spectrosco. Dalton Transactions, 2004, , 1117. Spray coating fabrication of organic solar cells bypassing the limit of orthogonal solvents. Applied Physics Letters, 2013, 102, .	3.3	13
67	Characterization of Polyurethane Foam Added with Synthesized Acetic and Oleic-Modified TiO ₂ Nanocrystals. Nanomaterials and Nanotechnology, 2015, 5, 26.	3.0	13
68	Multiwalled Carbon Nanotubes (MWCNTs) as Ignition Agents for Air/Methane Mixtures. IEEE Nanotechnology Magazine, 2016, 15, 699-704.	2.0	13
69	Cell-Penetrating CaCO3 Nanocrystals for Improved Transport of NVP-BEZ235 across Membrane Barrier in T-Cell Lymphoma. Cancers, 2018, 10, 31.	3.7	13
70	Formation and characterization of glutamate dehydrogenase monolayers on silicon supports. Biosensors and Bioelectronics, 2005, 21, 30-40.	10.1	12
71	Synthesis and optical behaviour of monodispersed oligo(fluorenylidene)s. Tetrahedron Letters, 2008, 49, 2078-2082.	1.4	12
72	Synthesis of calcium carbonate nanocrystals and their potential application as vessels for drug delivery. AIP Conference Proceedings, 2015, , .	0.4	12

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73	Optical characterization of glutamate dehydrogenase monolayers chemisorbed onSiO2. Physical Review E, 2003, 67, 041902.	2.1	11
74	Stepwise Sulfuration of the Terminal Phosphido Complextrans-[PtCl(PHCy2)2(PCy2)]: Synthesis of [Pt(κ2S,S′-PS2Cy2)(PHCy2)2] and Crystal Structure of [Pt(κ2-S,S-PCy2S2)(κ-S-PCy2S2)(PHCy2)]. European Journal of Inorganic Chemistry, 2006, 2006, 2634-2641.	2.0	11
75	Ultra lightweight PMMA-based composite plates with robust super-hydrophobic surfaces. Journal of Colloid and Interface Science, 2011, 363, 668-675.	9.4	11
76	Visible Light-Activated Water-Soluble Platicur Nanocolloids: Photocytotoxicity and Metabolomics Studies in Cancer Cells. ACS Applied Bio Materials, 2020, 3, 6836-6851.	4.6	11
77	Synthesis of tailored phthalocyanines and their application as spin coated films in volatile organic compound detection. Journal of Porphyrins and Phthalocyanines, 2003, 07, 572-578.	0.8	10
78	Smart surfaces for pH controlled cell staining. Soft Matter, 2009, 5, 4101.	2.7	10
79	Surface reactivity and in vitro toxicity on human bronchial epithelial cells (BEAS-2B) of nanomaterials intermediates of the production of titania-based composites. Toxicology in Vitro, 2016, 34, 171-178.	2.4	10
80	Synthesis of Ultrafine Anatase Titanium Dioxide (TiO ₂) Nanocrystals by the Microwave-Solvothermal Method. Journal of Nanoengineering and Nanomanufacturing, 2014, 4, 28-32.	0.3	10
81	Enhanced Bioactivity of Pomegranate Peel Extract following Controlled Release from CaCO3 Nanocrystals. Bioinorganic Chemistry and Applications, 2022, 2022, 1-16.	4.1	10
82	Modification of micro-channel filling flow by poly(dimethylsiloxane) surface functionalization with fluorine—Substituted aminonaphthols. Journal of Fluorine Chemistry, 2010, 131, 357-363.	1.7	9
83	Nanogels of poly(acrylic acid): Uptake and release behavior with fluorescent oligothiopheneâ€labeled bovine serum albumin. Journal of Applied Polymer Science, 2010, 116, 2808-2815.	2.6	9
84	Properties of Aluminosilicate Refractories with Synthesized Boron-Modified TiO2 Nanocrystals. Nanomaterials and Nanotechnology, 2015, 5, 8.	3.0	9
85	An unexpected reversal in the pharmacological stereoselectivity of benzothiadiazine AMPA positive allosteric modulators. MedChemComm, 2016, 7, 2410-2417.	3.4	9
86	HPLC-MS/MS method applied to an untargeted metabolomics approach for the diagnosis of "olive quick decline syndrome― Analytical and Bioanalytical Chemistry, 2022, 414, 465-473.	3.7	9
87	Efficient, Green Non-Aqueous Microwave-Assisted Synthesis of Anatase TiO2 and Pt Loaded TiO2 Nanorods with High Photocatalytic Performance. Nanomaterials and Nanotechnology, 2015, 5, 31.	3.0	8
88	Scalable production of calcite nanocrystals by atomization process: Synthesis, characterization and biological interactions study. Advanced Powder Technology, 2017, 28, 2445-2455.	4.1	8
89	Effects of donor position on dibenzofulvene-based organic dyes for photovoltaics. Journal of Materials Science: Materials in Electronics, 2017, 28, 8694-8707.	2.2	8
90	Organic Dyes Containing A Triple Bond Spacer for Dye Sensitized Solar Cells: A Combined Experimental and Theoretical Investigation. Current Organic Chemistry, 2011, 15, 3535-3543.	1.6	8

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91	Photodynamic activity of thiophene-derived lysosome-specific dyes. Journal of Photochemistry and Photobiology B: Biology, 2016, 158, 16-22.	3.8	7
92	HPLC-HRMS Global Metabolomics Approach for the Diagnosis of "Olive Quick Decline Syndrome― Markers in Olive Trees Leaves. Metabolites, 2021, 11, 40.	2.9	7
93	Synthesis of a Molecularly Imprinted Polymer for Dioxin. Sensors, 2006, 6, 915-924.	3.8	7
94	Use of cholesteryl polysulfides in self-assembly and soft lithography on Au(111) and ITO. Applied Surface Science, 2005, 246, 313-322.	6.1	5
95	Heterogeneous optochemical VOC sensing layers selected by ESI-mass spectrometry. Biosensors and Bioelectronics, 2006, 22, 415-422.	10.1	5
96	Synthesis and photovoltaic performance of dibenzofulvene-based organic sensitizers for DSSC. Tetrahedron, 2016, 72, 5788-5797.	1.9	5
97	Exploiting Photo- and Electroluminescence Properties of Flrpic Organic Crystals. Inorganic Chemistry, 2016, 55, 6532-6538.	4.0	5
98	Combustion performance of a low NOx gas turbine combustor using urea addition into liquid fuel. Fuel, 2021, 288, 119701.	6.4	5
99	Palladium(II) and bidentate phosphine-catalyzed selective synthesis of N-aryl-2-pyrrolidinones via cyclocarbonylative coupling of 2-aminophenol and 2-aminothiophenol. Applied Organometallic Chemistry, 2002, 16, 537-542.	3.5	4
100	Properties of Nanocrystals-Formulated Aluminosilicate Bricks. Nanomaterials and Nanotechnology, 2015, 5, 28.	3.0	4
101	Effects of Emulsified Fuel on the Performance and Emission Characteristics of Aeroengine Combustors. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	4
102	Study of the surface morphology of a cholesteryl tethering system for lipidic bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1714, 93-102.	2.6	3
103	Microfluidic behaviour of perfluoropolyether fluids in poly(dimethylsiloxane) micro-channels. Journal of Fluorine Chemistry, 2007, 128, 1335-1339.	1.7	3
104	Effect of jet-A1 emulsified fuel on aero-engine performance and emissions. AIP Conference Proceedings, 2019, , .	0.4	2
105	OPTICAL SENSING PROPERTIES OF PHTHALOCYANINES THIN FILMS IN ARRAY CONFIGURATION AND THEIR APPLICATION IN VOCS DETECTION. , 2004, , .		2
106	Low-Intensity Light-Responsive Anticancer Activity of Platinum(II) Complex Nanocolloids on 2D and 3D In Vitro Cancer Cell Model. Bioinorganic Chemistry and Applications, 2022, 2022, 1-15.	4.1	2
107	Spin-coated thin films of different metal phthalocyanines and porphyrin-phthalocyanine blend for optochemical sensors of volatile organic compounds. , 2004, , .		1
108	Biology-inspired photocatalysis: Recent advances in biomimetic photocatalytic nanosystems synthesis and applications., 2021,, 603-648.		1

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109	Optical sensors based on phthalocyanine thin films. , 2003, , .		0
110	RANDOM POLY(2, 7-FLUORENYLENEVINYLENE) COPOLYMERS OBTAINED BY A SUZUKI-HECK REACTION: SYNTHESIS AND PROPERTIES. AIP Conference Proceedings, 2008, , .	0.4	0
111	Trojan horses for drugs. Current Opinion in Lipidology, 2016, 27, 638-639.	2.7	0
112	Controlled biocide release from smart delivery systems. , 2022, , 31-147.		0
113	Effect of Nano Particles of Pomegranate Peel Extract on Shelf Life of Some Fruit and Vegetable Products. Lecture Notes in Civil Engineering, 2022, , 479-485.	0.4	O