

Delia Chillura Martino

List of Publications by Year in descending order

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94
papers

2,203
citations

185998

28
h-index

264894

42
g-index

98
all docs

98
docs citations

98
times ranked

2513
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentiation among dairy products by combination of fast field cycling NMR relaxometry data and chemometrics. <i>Magnetic Resonance in Chemistry</i> , 2022, 60, 369-385.	1.1	6
2	Archaeometric study of execution techniques of white Attic vases: the case of the Perseus crater in Agrigento. <i>RSC Advances</i> , 2022, 12, 4526-4535.	1.7	0
3	Changes in Physicochemical Properties of Biochar after Addition to Soil. <i>Agriculture (Switzerland)</i> , 2022, 12, 320.	1.4	8
4	Processing of XRF elementary data from the painted ceramic surface with innovative tools.. <i>Journal of Physics: Conference Series</i> , 2022, 2204, 012083.	0.3	2
5	Cross-linked natural IntegroPectin films from citrus biowaste with intrinsic antimicrobial activity. <i>Cellulose</i> , 2022, 29, 5779-5802.	2.4	11
6	Solid state NMR investigation of the roman Acqualadroni rostrum: tenth year assessment of the consolidation treatment of the wooden part. <i>Cellulose</i> , 2021, 28, 1025-1038.	2.4	6
7	Investigation on four centuripe vases (late 3rd-2nd cent. B.C.) by portable X-ray fluorescence and total reflectance-FTIR. <i>Journal of Cultural Heritage</i> , 2021, 48, 326-335.	1.5	8
8	Recent Developments in Understanding Biochar's Physical Chemistry. <i>Agronomy</i> , 2021, 11, 615.	1.3	37
9	Boosting the Performance of One-Step Solution-Processed Perovskite Solar Cells Using a Natural Monoterpene Alcohol as a Green Solvent Additive. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1813-1825.	2.0	22
10	Biogenic Selenium Nanoparticles: A Fine Characterization to Unveil Their Thermodynamic Stability. <i>Nanomaterials</i> , 2021, 11, 1195.	1.9	18
11	Identification of microplastics using 4-(dimethylamino)-nitro stilbene solvatochromic fluorescence. <i>Microscopy Research and Technique</i> , 2021, 84, 2820-2831.	1.2	13
12	Newly discovered orichalcum ingots from Mediterranean sea: Further investigation. <i>Journal of Archaeological Science: Reports</i> , 2021, 37, 102901.	0.2	1
13	Heuristic Algorithm for the Analysis of Fast Field Cycling (FFC) NMR Dispersion Curves. <i>Analytical Chemistry</i> , 2021, 93, 8553-8558.	3.2	6
14	Improved Photocatalytic Activity of Polysiloxane TiO ₂ Composites by Thermally Induced Nanoparticle Bulk Clustering and Dye Adsorption. <i>Langmuir</i> , 2021, 37, 10354-10365.	1.6	5
15	Superhydrophobic TiO ₂ /fluorinated polysiloxane hybrid coatings with controlled morphology for solar photocatalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127633.	2.3	12
16	Volatile Compounds of Lemon and Grapefruit IntegroPectin. <i>Molecules</i> , 2021, 26, 51.	1.7	25
17	A New Water-Soluble Bactericidal Agent for the Treatment of Infections Caused by Gram-Positive and Gram-Negative Bacterial Strains. <i>Antibiotics</i> , 2020, 9, 586.	1.5	41
18	A combined physical-chemical and microbiological approach to unveil the fabrication, provenance, and state of conservation of the Kinkarakawa-gami art. <i>Scientific Reports</i> , 2020, 10, 16072.	1.6	11

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19	Formulation of Mesoporous Silica Nanoparticles for Controlled Release of Antimicrobials for Stone Preventive Conservation. <i>Frontiers in Chemistry</i> , 2020, 8, 699.	1.8	21
20	Biogenic iron-silver nanoparticles inhibit bacterial biofilm formation due to Ag ⁺ release as determined by a novel phycoerythrin-based assay. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6325-6336.	1.7	15
21	Water Dynamics at the Solid-Liquid Interface to Unveil the Textural Features of Synthetic Nanosponges. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1847-1857.	1.2	17
22	Multi-scale structural analysis of xyloglucan colloidal dispersions and hydro-alcoholic gels. <i>Cellulose</i> , 2020, 27, 3025-3035.	2.4	7
23	Effect of halloysite nanotubes filler on polydopamine properties. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 394-402.	5.0	22
24	Experimental investigation and modeling of diffusion dialysis for HCl recovery from waste pickling solution. <i>Journal of Environmental Management</i> , 2019, 235, 202-212.	3.8	30
25	Polyaminoazide mixtures for the synthesis of pH-responsive calixarene nanosponges. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 633-641.	1.3	9
26	Nonprecious Copper-Based Transparent Top Electrode via Seed Layer-Assisted Thermal Evaporation for High-Performance Semitransparent n-i-p Perovskite Solar Cells. <i>Advanced Materials Technologies</i> , 2019, 4, 1800688.	3.0	41
27	An insight into the interaction between functionalized thermoplastic elastomer and layered double hydroxides through rheological investigations. <i>Composites Part B: Engineering</i> , 2018, 139, 47-54.	5.9	17
28	Polyamide-Based Fibers Containing Microwave-Exfoliated Graphite Nanoplatelets. <i>Advances in Polymer Technology</i> , 2018, 37, 786-797.	0.8	1
29	Hyper-reticulated calixarene polymers: a new example of entirely synthetic nanosponge materials. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1498-1507.	1.3	13
30	Convenient Photochemical Synthesis of Silver-Polyaminocyclodextrin Nanocomposites: The Role of the Light Source from a Mechanistic Viewpoint. <i>ChemistrySelect</i> , 2018, 3, 3048-3055.	0.7	2
31	Loading and release of the complex [Pt(DTBTA)(DMSO)Cl]Cl·CHCl ₃ with the 2,2'-dithiobis(benzothiazole) ligand into mesoporous silica and studies of antiproliferative activity on MCF-7 cells. <i>Polyhedron</i> , 2018, 153, 234-239.	1.0	7
32	Alcoholic nanolime dispersion obtained by the insolubilisation-precipitation method and its application for the deacidification of ancient paper. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 513, 241-249.	2.3	27
33	A multi-analytical non-invasive and micro-invasive approach to canvas oil paintings. General considerations from a specific case. <i>Microchemical Journal</i> , 2017, 133, 607-613.	2.3	19
34	Synthesis of yttrium aluminum garnet nanoparticles in confined environment II: Role of the thermal treatment on the composition and microstructural evolution. <i>Journal of Alloys and Compounds</i> , 2017, 719, 264-270.	2.8	11
35	Development of controlled release systems of biocides for the conservation of cultural heritage. <i>International Biodeterioration and Biodegradation</i> , 2017, 125, 150-156.	1.9	34
36	A multivariate approach to the study of orichalcum ingots from the underwater Gela's archaeological site. <i>Microchemical Journal</i> , 2017, 135, 163-170.	2.3	20

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37	Pre- and post-modification of mixed cyclodextrin-calixarene co-polymers: A route towards tunability. <i>Carbohydrate Polymers</i> , 2017, 157, 1393-1403.	5.1	36
38	Sensor Properties of Pristine and Functionalized Carbon Nanohorns. <i>Electroanalysis</i> , 2016, 28, 2489-2499.	1.5	23
39	Polyaminocyclodextrin nanosponges: synthesis, characterization and pH-responsive sequestration abilities. <i>RSC Advances</i> , 2016, 6, 49941-49953.	1.7	38
40	Influence of the Ce:YAG Amount on Structure and Optical Properties of Ce:YAG-PMMA Composites for White LED. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016, 230, 1219-1231.	1.4	11
41	Photosynthesized silver-polyaminocyclodextrin nanocomposites as promising antibacterial agents with improved activity. <i>RSC Advances</i> , 2016, 6, 40090-40099.	1.7	19
42	Synthesis of yttrium aluminum garnet nanoparticles in confined environment, and their characterization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 82-90.	2.3	3
43	Low-Q peak in X-ray patterns of choline-phenylalanine and -homophenylalanine: A combined effect of chain and stacking. <i>Chemical Physics Letters</i> , 2016, 660, 99-101.	1.2	29
44	Preparation and characterisation of Ce:YAG -polycarbonate composites for white LED. <i>Journal of Alloys and Compounds</i> , 2016, 664, 726-731.	2.8	15
45	More insight into characterization of the waterlogged wooden part of Acqualadroni Roman Rostrum by solid-state NMR. <i>Microchemical Journal</i> , 2016, 124, 831-836.	2.3	7
46	Graphene and ionic liquids new gel paste electrodes for caffeic acid quantification. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 248-255.	4.0	36
47	Chromium liquid waste inertization in an inorganic alkali activated matrix: Leaching and NMR multinuclear approach. <i>Journal of Hazardous Materials</i> , 2015, 286, 474-483.	6.5	19
48	Silver nanoparticles stabilized by a polyaminocyclodextrin as catalysts for the reduction of nitroaromatic compounds. <i>Journal of Molecular Catalysis A</i> , 2015, 408, 250-261.	4.8	23
49	Electrochemistry of TiO ₂ -iron hexacyanocobaltate composite electrodes. <i>Solid State Ionics</i> , 2014, 259, 53-58.	1.3	8
50	Ce:Y ₃ Al ₅ O ₁₂ -Poly(methyl methacrylate) Composite for White-Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9107-9113.	1.5	25
51	Photochemical synthesis of pyrene perfluoroalkyl derivatives and their embedding in a polymethylmethacrylate matrix: a spectroscopic and structural study. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7722-7730.	2.7	2
52	Determination of selected polyaromatic hydrocarbons by gas chromatography-mass spectrometry for the analysis of wood to establish the cause of sinking of an old vessel (Scauri wreck) by fire. <i>Microchemical Journal</i> , 2014, 117, 116-121.	2.3	44
53	Micro-analytical identification of the components of varnishes from South Italian historical musical instruments by PLM, ESEM-EDX, microFTIR, GC-MS, and Py-GC-MS. <i>Microchemical Journal</i> , 2014, 116, 31-40.	2.3	19
54	Consolidation and protection by nanolime: Recent advances for the conservation of the graffiti, Carceri dello Steri Palermo and of the 18th century lunettes, SS. Giuda e Simone Cloister, Corniola (Empoli). <i>Journal of Cultural Heritage</i> , 2014, 15, 151-158.	1.5	47

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55	Influence of the modification, induced by zirconia nanoparticles, on the structure and properties of polycarbonate. <i>European Polymer Journal</i> , 2013, 49, 2022-2030.	2.6	27
56	Effect of the cerium loading on the HMS structure. Preparation, characterization and catalytic properties. <i>Catalysis Communications</i> , 2013, 36, 10-15.	1.6	7
57	Green Synthesis, Molecular Characterization and Associative Behavior of Some Gemini Surfactants without a Spacer Group. <i>Materials</i> , 2013, 6, 1506-1519.	1.3	13
58	Morphology, mechanical properties and thermal degradation kinetics of PMMA-zirconia nanocomposites prepared by melt compounding. <i>EXPRESS Polymer Letters</i> , 2012, 6, 871-881.	1.1	47
59	Identification Techniques II. <i>Lecture Notes in Quantum Chemistry II</i> , 2012, , 91-161.	0.3	0
60	The effect of silica nanoparticles on the morphology, mechanical properties and thermal degradation kinetics of polycarbonate. <i>Composites Science and Technology</i> , 2012, 73, 34-39.	3.8	44
61	Micro-X-Ray Fluorescence and the Old Masters. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 197-202.	1.1	11
62	Influence of Temperature on Calcium Hydroxyapatite Nanopowders. <i>Advances in Nanoparticles</i> , 2012, 01, 21-28.	0.3	30
63	MCM-41-CdS nanoparticle composite material: Preparation and characterization. <i>Microporous and Mesoporous Materials</i> , 2010, 128, 101-107.	2.2	23
64	Ce:YAG Nanoparticles Embedded in a PMMA Matrix: Preparation and Characterization. <i>Langmuir</i> , 2010, 26, 13442-13449.	1.6	60
65	Synthesis of Nd:YAG nanopowder using the citrate method with microwave irradiation. <i>Journal of Alloys and Compounds</i> , 2010, 491, 737-741.	2.8	45
66	Structural Characterization of Zirconia Nanoparticles Prepared by Microwave-Hydrothermal Synthesis. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 1511-1516.	1.3	10
67	Effect of the dopant selection (Er, Eu, Nd or Ce) and its quantity on the formation of yttrium aluminum garnet nanopowders. <i>Optical Materials</i> , 2008, 31, 261-267.	1.7	46
68	Preparation of Nd:YAG Nanopowder in a Confined Environment. <i>Langmuir</i> , 2007, 23, 3947-3952.	1.6	35
69	Energy Dispersive X-Ray Diffraction Potentiality in the Field of Cultural Heritage: Simultaneous Structural and Elemental Analysis of Various Artefacts. <i>Annali Di Chimica</i> , 2007, 97, 473-490.	0.6	1
70	Micelles in Mixtures of Sodium Dodecyl Sulfate and a Bolaform Surfactant. <i>Langmuir</i> , 2006, 22, 6001-6009.	1.6	18
71	Microwave-assisted synthesis of anhydrous CdS nanoparticles in a water-oil microemulsion. <i>Journal of Colloid and Interface Science</i> , 2006, 304, 413-418.	5.0	32
72	Luminescence Properties of Neodymium-Doped Yttrium Aluminium Garnet Obtained by the Co-Precipitation Method Combined with the Mechanical Process. <i>Solid State Phenomena</i> , 2005, 106, 7-16.	0.3	17

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73	Partitioning of Macrocyclic Compounds in a Cationic and an Anionic Micellar Solution: A Small-Angle Neutron Scattering Study. <i>Langmuir</i> , 2004, 20, 3854-3862.	1.6	8
74	Structural and Transport Properties of Bola C-16 Micelles in Water and in Aqueous Electrolyte Solutions. <i>Journal of Physical Chemistry B</i> , 2004, 108, 1214-1223.	1.2	12
75	Synthesis, size control, and passivation of CdS nanoparticles in water/AOT/n-heptane microemulsions. <i>Materials Science and Engineering C</i> , 2003, 23, 531-539.	3.8	54
76	Formation of (4,7,10,13-pentaoxa-16-azacyclooctadecane) hexadecane micelles in aqueous solution effect of HCl addition. <i>Journal of Applied Crystallography</i> , 2003, 36, 753-757.	1.9	4
77	Structural effects of macrocyclic compounds and their partition in sodium dodecylsulphate aqueous solutions. <i>Journal of Applied Crystallography</i> , 2003, 36, 562-567.	1.9	5
78	Structure of Urea Clusters Confined in AOT Reversed Micelles. <i>Langmuir</i> , 2003, 19, 4913-4922.	1.6	26
79	Molecular Association of a Nonionic and an Ionic-Induced Surfactant: Cryptand (221D) NaCl in Water. <i>Langmuir</i> , 2003, 19, 554-558.	1.6	2
80	¹ H and ¹⁹ F NMR Investigation on Mixed Hydrocarbon-Fluorocarbon Micelles. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10048-10056.	1.2	53
81	FT-IR and dielectric study of water/AOT liquid crystals. <i>Journal of Molecular Structure</i> , 2000, 522, 165-178.	1.8	29
82	Determination of the Composition of Mixed Hydrogenated and Fluorinated Micelles by Small Angle Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 1997, 101, 9525-9531.	1.2	25
83	Alcohol Partition in a Water-in-Oil Microemulsion: A Small-Angle Neutron-Scattering Contrast Measurements. <i>Journal of Physical Chemistry B</i> , 1997, 101, 7139-7146.	1.2	12
84	Localization of n-Alcohols and Structural Effects in Aqueous Solutions of Sodium Dodecyl Sulfate. <i>Langmuir</i> , 1997, 13, 3277-3283.	1.6	87
85	The Morphology of Block Copolymer Micelles in Supercritical Carbon Dioxide by Small-Angle Neutron and X-ray Scattering. <i>Journal of Applied Crystallography</i> , 1997, 30, 690-695.	1.9	37
86	Small angle neutron scattering studies of critical phenomena in a three-component microemulsion. <i>Progress in Colloid and Polymer Science</i> , 1997, 106, 104-107.	0.5	2
87	Design of Nonionic Surfactants for Supercritical Carbon Dioxide. <i>Science</i> , 1996, 274, 2049-2052.	6.0	268
88	Neutron scattering characterization of homopolymers and graft-copolymer micelles in supercritical carbon dioxide. <i>Journal of Molecular Structure</i> , 1996, 383, 3-10.	1.8	61
89	Small angle scattering study of the structure of isotactic polypropylene-hydrogenated oligo(cyclopentadiene) blends. <i>Journal of Molecular Structure</i> , 1996, 383, 75-79.	1.8	14
90	Application of the small-angle neutron scattering technique to the study of solubilization mechanisms of organic molecules by micellar systems. <i>Journal of Molecular Structure</i> , 1996, 383, 133-143.	1.8	11

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91	Micelles formed from photochemically active amphiphiles: structural characterization by small-angle neutron scattering. <i>Journal of Molecular Structure</i> , 1996, 383, 191-196.	1.8	1
92	Effect of Crown Ether 1,4,7,10,13,16-Hexaoxacyclooctadecane on the Structure of Sodium Dodecyl Sulfate and Dodecyltrimethylammonium Bromide Aqueous Micellar Solutions. <i>Langmuir</i> , 1995, 11, 2464-2470.	1.6	29
93	Fluorinated, protonated, and mixed surfactant solutions: a small-angle neutron scattering study. <i>Langmuir</i> , 1993, 9, 1193-1200.	1.6	41
94	Molecular association of cryptand 221D in NaCl-water solutions. A small-angle neutron scattering study. <i>European Physical Journal Special Topics</i> , 1993, 03, C8-173-C8-176.	0.2	1