

Federico Cesano

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,781
citations

126858

33
h-index

189801

50
g-index

91
all docs

91
docs citations

91
times ranked

3905
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of promising biochars for hexavalent chromium removal: application of response surface methodology approach. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 4111-4126.	1.8	4
2	Sustainable mechanochemical synthesis of β -cyclodextrin polymers by twin screw extrusion. <i>Environmental Science and Pollution Research</i> , 2022, 29, 251-263.	2.7	15
3	Multifunctional Nanomaterials for Energy Applications. <i>Nanomaterials</i> , 2022, 12, 2170.	1.9	2
4	ZnO Nanostructures Application in Electrochemistry: Influence of Morphology. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1472-1482.	1.5	71
5	Carbon Fibers Coated with Ternary Ni-Co-Se Alloy Particles as a Low-Cost Counter Electrode for Flexible Dye Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 870-878.	2.5	22
6	Graphene and graphene-oxide for enhancing the photocatalytic properties of materials. , 2021, , 385-396.		0
7	Surface Processes in Photocatalytic Reduction of CO ₂ on TiO ₂ -based Materials. <i>Journal of Photocatalysis</i> , 2021, 2, 10-24.	0.4	1
8	Multifunctional Conductive Paths Obtained by Laser Processing of Non-Conductive Carbon Nanotube/Polypropylene Composites. <i>Nanomaterials</i> , 2021, 11, 604.	1.9	14
9	Preparation and Carbonization of Glucose and Pyromellitic Dianhydride Crosslinked Polymers. <i>Journal of Carbon Research</i> , 2021, 7, 56.	1.4	0
10	Thermal/Electrical Properties and Texture of Carbon Black PC Polymer Composites near the Electrical Percolation Threshold. <i>Journal of Composites Science</i> , 2021, 5, 212.	1.4	7
11	Few-Layered MoS ₂ Nanoparticles Covering Anatase TiO ₂ Nanosheets: Comparison between Ex Situ and In Situ Synthesis Approaches. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 143.	1.3	5
12	Thermal, Morphological, Electrical Properties and Touch-Sensor Application of Conductive Carbon Black-Filled Polyamide Composites. <i>Nanomaterials</i> , 2021, 11, 3103.	1.9	7
13	Design, Characterization and Applications of Functional Nanomaterials. <i>Molecules</i> , 2021, 26, 7097.	1.7	2
14	Graphene and Other 2D Layered Nanomaterials and Hybrid Structures: Synthesis, Properties and Applications. <i>Materials</i> , 2021, 14, 7108.	1.3	4
15	Editorial: Carbon- and Inorganic-Based Nanostructures for Energy Applications. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	4
16	Effect of Injection Molding Conditions on Crystalline Structure and Electrical Resistivity of PP/MWCNT Nanocomposites. <i>Polymers</i> , 2020, 12, 1685.	2.0	14
17	All-Carbon Conductors for Electronic and Electrical Wiring Applications. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	30
18	Smart Tools for Smart Applications: New Insights into Inorganic Magnetic Systems and Materials. <i>Inorganics</i> , 2020, 8, 56.	1.2	0

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19	The photon absorber and interconnecting layers in multijunction organic solar cell. Solar Energy, 2020, 201, 28-44.	2.9	22
20	Surface Structure and Phase Composition of TiO ₂ P25 Particles After Thermal Treatments and HF Etching. Frontiers in Materials, 2020, 7, .	1.2	31
21	Magnetic Materials and Systems: Domain Structure Visualization and Other Characterization Techniques for the Application in the Materials Science and Biomedicine. Inorganics, 2020, 8, 6.	1.2	46

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37	Biowaste-derived substances as a tool for obtaining magnet-sensitive materials for environmental applications in wastewater treatments. <i>Chemical Engineering Journal</i> , 2017, 310, 307-316.	6.6	42
38	Morphology and electrical properties of injection-molded PP carbon-based nanocomposites. <i>AIP Conference Proceedings</i> , 2017, . .	0.3	3
39	Carbon Domains on MoS ₂ /TiO ₂ System via Catalytic Acetylene Oligomerization: Synthesis, Structure, and Surface Properties. <i>Frontiers in Chemistry</i> , 2017, 5, 91.	1.8	25
40	Sulfur-Doped TiO ₂ : Structure and Surface Properties. <i>Catalysts</i> , 2017, 7, 214.	1.6	51
41	Magnetic Hybrid Carbon via Graphitization of Polystyrene-co-Divinylbenzene: Morphology, Structure and Adsorption Properties. <i>ChemistrySelect</i> , 2016, 1, 2536-2541.	0.7	15
42	Relationship between morphology and electrical properties in PP/MWCNT composites: Processing-induced anisotropic percolation threshold. <i>Materials Chemistry and Physics</i> , 2016, 180, 284-290.	2.0	27
43	Designing rGO/MoS ₂ hybrid nanostructures for photocatalytic applications. <i>RSC Advances</i> , 2016, 6, 59001-59008.	1.7	40
44	Multi-walled carbon nanotubes directly induce epithelial-mesenchymal transition in human bronchial epithelial cells via the TGF- β -mediated Akt/GSK-3 β /SNAIL-1 signalling pathway. <i>Particle and Fibre Toxicology</i> , 2015, 13, 27.	2.8	65
45	Dispersion of Carbon-Based Materials (CNTs, Graphene) in Polymer Matrices. , 2015, , 43-75.		7
46	12.1 Introduction of C nanotubes. , 2015, , 666-680.		0
47	12.4 Metal sulfides nanotubes. , 2015, , 689-690.		0
48	Optical, Vibrational, and Structural Properties of MoS ₂ Nanoparticles Obtained by Exfoliation and Fragmentation via Ultrasound Cavitation in Isopropyl Alcohol. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3791-3801.	1.5	97
49	MoS ₂ Nanoparticles Decorating Titanate-Nanotube Surfaces: Combined Microscopy, Spectroscopy, and Catalytic Studies. <i>Langmuir</i> , 2015, 31, 5469-5478.	1.6	55
50	One-step synthesis of magnetic chitosan polymer composite films. <i>Applied Surface Science</i> , 2015, 345, 175-181.	3.1	55
51	Nanocrystalline TiO ₂ micropillar arrays grafted on conductive glass supports: microscopic and spectroscopic studies. <i>Thin Solid Films</i> , 2015, 590, 200-206.	0.8	12
52	Glucan particles loaded with a NIRF agent for imaging monocytes/macrophages recruitment in a mouse model of rheumatoid arthritis. <i>RSC Advances</i> , 2015, 5, 34078-34087.	1.7	9
53	Development of a multifunctional TiO ₂ /MWCNT hybrid composite grafted on a stainless steel grating. <i>RSC Advances</i> , 2015, 5, 103255-103264.	1.7	24
54	Carbon-Based Piezoresistive Polymer Composites. <i>Springer Proceedings in Physics</i> , 2015, , 51-73.	0.1	0

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55	12.3 Oxides nanotubes. , 2015, , 684-688.		0
56	12.5 Surface properties of nanotubes: Conclusions. , 2015, , 691-691.		0
57	12.2 BN nanotubes. , 2015, , 681-683.		0
58	Association of polyalanine and polyglutamine coiled coils mediates expansion disease-related protein aggregation and dysfunction. <i>Human Molecular Genetics</i> , 2014, 23, 3402-3420.	1.4	62
59	A high efficiency 3D photovoltaic microwire with carbon nanotubes (CNT)-quantum dot (QD) hybrid interface. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 898-903.	1.2	35
60	Back Cover: A high efficiency 3D photovoltaic microwire with carbon nanotubes (CNT)-quantum dot (QD) hybrid interface (Phys. Status Solidi RRL 8/2014). <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, n/a-n/a.	1.2	0
61	Graphite nanoplatelets and carbon nanotubes based polyethylene composites: Electrical conductivity and morphology. <i>Materials Chemistry and Physics</i> , 2013, 143, 47-52.	2.0	35
62	The Role of Iron Impurities in the Toxic Effects Exerted by Short Multiwalled Carbon Nanotubes (MWCNT) in Murine Alveolar Macrophages. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013, 76, 1056-1071.	1.1	81
63	Structure and properties of metal-free conductive tracks on polyethylene/multiwalled carbon nanotube composites as obtained by laser stimulated percolation. <i>Carbon</i> , 2013, 61, 63-71.	5.4	34
64	Carbon-based piezoresistive polymer composites: Structure and electrical properties. <i>Carbon</i> , 2013, 62, 270-277.	5.4	93
65	Inhibition of catecholamine secretion by iron-rich and iron-deprived multiwalled carbon nanotubes in chromaffin cells. <i>NeuroToxicology</i> , 2013, 39, 84-94.	1.4	7
66	Altered excitability of cultured chromaffin cells following exposure to multi-walled carbon nanotubes. <i>Nanotoxicology</i> , 2012, 6, 47-60.	1.6	17
67	Solid-State Dye Sensitized Optoelectronic Carbon Nanotube-Wires: An Energy Harvesting Damage Sensor With Nanotechnology Approach. , 2012, , .		3
68	Radially organized pillars in TiO ₂ and in TiO ₂ /C microspheres: Synthesis, characterization and photocatalytic tests. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 242, 51-58.	2.0	34
69	Thickness of Multiwalled Carbon Nanotubes Affects Their Lung Toxicity. <i>Chemical Research in Toxicology</i> , 2012, 25, 74-82.	1.7	105
70	Preparation and adsorption properties of activated porous carbons obtained using volatile zinc templating phases. <i>Carbon</i> , 2012, 50, 2047-2051.	5.4	35
71	Rapid purification/oxidation of multi-walled carbon nanotubes under 300 kHz-ultrasound and microwave irradiation. <i>New Journal of Chemistry</i> , 2011, 35, 915.	1.4	31
72	Model oxide supported MoS ₂ HDS catalysts: structure and surface properties. <i>Catalysis Science and Technology</i> , 2011, 1, 123.	2.1	81

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73	Hybrid SnO ₂ /carbon composites: From foams to films by playing with the reaction conditions. <i>Catalysis Today</i> , 2010, 150, 84-90.	2.2	19
74	Designing TiO ₂ Based Nanostructures by Control of Surface Morphology of Pure and Silver Loaded Titanate Nanotubes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 169-178.	1.5	54
75	Micro-FTIR and Micro-Raman Studies of a Carbon Film Prepared from Furfuryl Alcohol Polymerization. <i>Journal of Physical Chemistry B</i> , 2009, 113, 10571-10574.	1.2	56
76	Designing of carbon nanofilaments-based composites for innovative applications. <i>Diamond and Related Materials</i> , 2009, 18, 979-983.	1.8	11
77	Oriented TiO ₂ Nanostructured Pillar Arrays: Synthesis and Characterization. <i>Advanced Materials</i> , 2008, 20, 3342-3348.	11.1	38
78	Synthesis of ZnO-carbon composites and imprinted carbon by the pyrolysis of ZnCl ₂ -catalyzed furfuryl alcohol polymers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 196, 143-153.	2.0	66
79	Tailoring the activity of Ti-based photocatalysts by playing with surface morphology and silver doping. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 196, 165-173.	2.0	38
80	Cotton textile fibres coated by Au/TiO ₂ films: Synthesis, characterization and self cleaning properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 199, 64-72.	2.0	140
81	Furfuryl Alcohol Polymerization in H ⁺ Confined Spaces: Reaction Mechanism and Structure of Carbocationic Intermediates. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2580-2589.	1.2	84
82	Effect of Ag and Au doping on the photocatalytic activity of TiO ₂ supported on textile fibres. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1077, 72001.	0.1	2
83	Surface Properties of Diamond Coatings for Cutting Tools. <i>CIRP Annals - Manufacturing Technology</i> , 2007, 56, 573-576.	1.7	15
84	Photoactive TiO ₂ films on cellulose fibres: synthesis and characterization. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 189, 286-294.	2.0	221
85	On the fraction of CrII sites involved in the C ₂ H ₄ polymerization on the Cr/SiO ₂ Phillips catalyst: a quantification by FTIR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2453.	1.3	36
86	Plate-like zinc oxide microcrystals: Synthesis and characterization of a material active toward hydrogen adsorption. <i>Catalysis Today</i> , 2006, 116, 433-438.	2.2	18
87	Polyethylene Microtubes from Silica Fiber-based Polyethylene Composites Synthesized by an In Situ Catalytic Method. <i>Advanced Materials</i> , 2006, 18, 3111-3114.	11.1	10
88	In situ, Cr K-edge XAS study on the Phillips catalyst: activation and ethylene polymerization. <i>Journal of Catalysis</i> , 2005, 230, 98-108.	3.1	102
89	Connecting Carbon Fibers by Means of Catalytically Grown Nanofilaments: Formation of Carbon-Carbon Composites. <i>Chemistry of Materials</i> , 2005, 17, 5119-5123.	3.2	39
90	Imaging polycrystalline and smoke MgO surfaces with atomic force microscopy: a case study of high resolution image on a polycrystalline oxide. <i>Surface Science</i> , 2004, 570, 155-166.	0.8	34