

Domenica Scarano

List of Publications by Year in descending order

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45
papers

1,271
citations

304743

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361022

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docs citations

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times ranked

1832
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.1	97
2	Carbon-based piezoresistive polymer composites: Structure and electrical properties. <i>Carbon</i> , 2013, 62, 270-277.	10.3	93
3	Model oxide supported MoS ₂ HDS catalysts: structure and surface properties. <i>Catalysis Science and Technology</i> , 2011, 1, 123.	4.1	81
4	Infrared study of carbon monoxide adsorption at 77 K on faujasites and ZSM-5 zeolites. <i>Vibrational Spectroscopy</i> , 1993, 5, 69-74.	2.2	66
5	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.	3.9	66
6	MoS ₂ Nanoparticles Decorating Titanate-Nanotube Surfaces: Combined Microscopy, Spectroscopy, and Catalytic Studies. <i>Langmuir</i> , 2015, 31, 5469-5478.	3.5	55
7	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.	3.1	54
8	Sulfur-Doped TiO ₂ : Structure and Surface Properties. <i>Catalysts</i> , 2017, 7, 214.	3.5	51
9	From biowaste to magnet-responsive materials for water remediation from polycyclic aromatic hydrocarbons. <i>Chemosphere</i> , 2018, 202, 686-693.	8.2	44
10	Designing rGO/MoS ₂ hybrid nanostructures for photocatalytic applications. <i>RSC Advances</i> , 2016, 6, 59001-59008.	3.6	40
11	Oriented TiO ₂ Nanostructured Pillar Arrays: Synthesis and Characterization. <i>Advanced Materials</i> , 2008, 20, 3342-3348.	21.0	38
12	Preparation and adsorption properties of activated porous carbons obtained using volatile zinc templating phases. <i>Carbon</i> , 2012, 50, 2047-2051.	10.3	35
13	Graphite nanoplatelets and carbon nanotubes based polyethylene composites: Electrical conductivity and morphology. <i>Materials Chemistry and Physics</i> , 2013, 143, 47-52.	4.0	35
14	Multicomponent nanostructured materials and interfaces for efficient piezoelectricity. <i>Nano Structures Nano Objects</i> , 2019, 17, 148-184.	3.5	35
15	Imaging polycrystalline and smooth 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.	1.9	34
16	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.	3.9	34
17	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.	10.3	34
18	Surface Structure and Phase Composition of TiO ₂ P25 Particles After Thermal Treatments and HF Etching. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	31

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19	All-Carbon Conductors for Electronic and Electrical Wiring Applications. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	30
20	Modelling of $\hat{\Gamma}$ -Cr ₂ O ₃ and ZnO crystal morphology and its relation to the vibrational spectra of adsorbed CO. <i>Faraday Discussions</i> , 1996, 105, 119-138.	3.2	27
21	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.	3.6	25
22	Development of a multifunctional TiO ₂ /MWCNT hybrid composite grafted on a stainless steel grating. <i>RSC Advances</i> , 2015, 5, 103255-103264.	3.6	24
23			

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37	The Poly-A Interaction and Interfaces with Carbon Nanotubes. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 496, 170-185.	0.9	7
38	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.	3.0	7
39	Thermal, Morphological, Electrical Properties and Touch-Sensor Application of Conductive Carbon Black-Filled Polyamide Composites. <i>Nanomaterials</i> , 2021, 11, 3103.	4.1	7
40	MoS ₂ Domains on TiO ₂ -Based Nanostructures: Role of Titanate/TiO ₂ Transformation and Sulfur Doping on the Interaction with the Support. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7799-7809.	3.1	5
41	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.	2.5	5
42	Graphene and Other 2D Layered Nanomaterials and Hybrid Structures: Synthesis, Properties and Applications. <i>Materials</i> , 2021, 14, 7108.	2.9	4
43	From gaseous HCN to nucleobases at the cosmic silicate dust surface: an experimental insight into the onset of prebiotic chemistry in space. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 7224-7230.	2.8	3
44	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
45	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