

Francesco Toschi

List of Publications by Year in descending order

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28
papers

563
citations

687220

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28
all docs

28
docs citations

28
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Disentangling the Temporal Dynamics of Nonthermal Electrons in Photoexcited Gold Nanostructures. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100017.	4.4	10
2	Effects of Crystal Morphology on the Hot-Carrier Dynamics in Mixed-Cation Hybrid Lead Halide Perovskites. <i>Energies</i> , 2021, 14, 708.	1.6	8
3	Thermometric Calibration of the Ultrafast Relaxation Dynamics in Plasmonic Au Nanoparticles. <i>ACS Photonics</i> , 2020, 7, 959-966.	3.2	19
4	Ultrafast optical spectroscopy of semiconducting and plasmonic nanostructures and their hybrids. <i>Nanotechnology</i> , 2020, 32, 025703.	1.3	15
5	Interband Transitions Are More Efficient Than Plasmonic Excitation in the Ultrafast Melting of Electromagnetically Coupled Au Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16943-16950.	1.5	19
6	Enhanced Charge Separation Efficiency in DNA Templated Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1707126.	7.8	25
7	Ultrafast Depolarization of Transient Absorption as a Probe of Plasmonicity of Optical Transitions in Ag Nanoclusters. <i>Plasmonics</i> , 2018, 13, 1687-1693.	1.8	3
8	A combined theoretical and experimental study of the ultrafast photophysics of Rhodamine B. <i>Molecular Physics</i> , 2018, 116, 2162-2171.	0.8	7
9	Gold nanoparticles functionalized by rhodamine B isothiocyanate: A new tool to control plasmonic effects. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 10-19.	5.0	43
10	Plasmon Controlled Shaping of Metal Nanoparticle Aggregates by Femtosecond Laser-Induced Melting. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5002-5008.	2.1	20
11	A multidisciplinary study of Roman painted plasters from Roman villa in Ponti Novi (Sabina area, Lazio). <i>Tj ETQq1 1 0,784314,rgBT /Over</i>	0,2	
12	Stratigraphic investigation of wall painting fragments from Roman villas of the Sabina area. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 131-138.	1.1	6
13	A multi-technique approach for the characterization of Roman mural paintings. <i>Applied Surface Science</i> , 2013, 284, 291-296.	3.1	24
14	Conducting polymer/nanodiamond composites: New opportunities and scientific challenges for material science. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	4
15	A Viable and Scalable Route for the Homogrowth of Si Nanocones and Si/C Nanostructures. <i>Crystal Growth and Design</i> , 2012, 12, 4473-4478.	1.4	10
16	Hybrid C-nanotubes/Si 3D nanostructures by one-step growth in a dual-plasma reactor. <i>Chemical Physics Letters</i> , 2012, 539-540, 94-101.	1.2	13
17	Thermoacoustic Emission from Carbon Nanotubes Imaged by Atomic Force Microscopy. <i>Advanced Functional Materials</i> , 2012, 22, 2956-2963.	7.8	9
18	Carbon Nanotubes Guides for Nickel Electrical Interconnects. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 764-769.	1.1	4

#	ARTICLE	IF	CITATIONS
19	Low temperature conductivity of carbon nanotube aggregates. Journal of Physics Condensed Matter, 2011, 23, 475302.	0.7	12
20	Carbon Nanotubes/Polydimethylsiloxanes Systems for Thermal Management of Miniaturized Electronic Components. Journal of Nanoscience and Nanotechnology, 2010, 10, 8336-8340.	0.9	4
21	Nanofabrication by electrochemical routes of Ni-coated ordered arrays of carbon nanotubes. Journal of Nanoparticle Research, 2009, 11, 1311-1319.	0.8	16
22	Growth mechanisms, morphology, and electroactivity of PEDOT layers produced by electrochemical routes in aqueous medium. Synthetic Metals, 2009, 159, 406-414.	2.1	145
23	Carbon nanotube/nanodiamond structures: An innovative concept for stable and ready-to-start electron emitters. Applied Physics Letters, 2009, 95, 222113.	1.5	30
24	Characterization of epoxy/single-walled carbon nanotubes composite samples via atomic force acoustic microscopy. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2419-2424.	1.3	30
25	Charge Transport and Tunneling in Single-Walled Carbon Nanotube Bundles. Physical Review Letters, 2008, 101, 246804.	2.9	54
26	Preparation and Thermal Characterization of Carbon Nanotubes-Based Composites for Applications in Electronics Packaging. , 2008, , .		2
27	Polycrystalline diamond on self-assembled detonation nanodiamond: a viable route for fabrication of all-diamond preformed microcomponents. Nanotechnology, 2008, 19, 415601.	1.3	13
28	Nanocrystalline Diamond Films Grown in Nitrogen Rich Atmosphere: Structural and Field Emission Properties. Journal of Nanoscience and Nanotechnology, 2008, 8, 3228-3234.	0.9	15