

Vittorio Scardaci

List of Publications by Year in descending order

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47
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citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear Optical Properties of Ag Nanoplates Plasmon Resonance and Applications in Ultrafast Photonics. <i>Journal of Lightwave Technology</i> , 2021, 39, 2084-2090.	4.6	16
2	Raman Spectroscopy Investigation of Graphene Oxide Reduction by Laser Scribing. <i>Journal of Carbon Research</i> , 2021, 7, 48.	2.7	39
3	Laser Synthesized Graphene and Its Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6304.	2.5	10
4	Surface Plasmon Resonance Dependent Third-Order Optical Nonlinearities of Silver Nanoplates. <i>Photonics</i> , 2021, 8, 299.	2.0	9
5	Copper Nanowires for Transparent Electrodes: Properties, Challenges and Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8035.	2.5	9
6	Anisotropic Silver Nanomaterials by Photochemical Reactions: Synthesis and Applications. <i>Nanomaterials</i> , 2021, 11, 2226.	4.1	7
7	Fast One-Step Synthesis of Anisotropic Silver Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8949.	2.5	7
8	Recent Progress on Metal-Based Nanomaterials: Fabrications, Optical Properties, and Applications in Ultrafast Photonics. <i>Advanced Functional Materials</i> , 2021, 31, 2107363.	14.9	23
9	Raman spectroscopy data related to the laser induced reduction of graphene oxide. <i>Data in Brief</i> , 2021, 38, 107306.	1.0	9
10	Silver nanoplates paved PMMA cuvettes as a cheap and re-usable plasmonic sensing device. <i>Applied Surface Science</i> , 2021, 566, 150701.	6.1	9
11	Recent Progress on Metal-Based Nanomaterials: Fabrications, Optical Properties, and Applications in Ultrafast Photonics (<i>Adv. Funct. Mater.</i> 49/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170364.	14.9	1
12	Reduction of Graphene Oxide by Laser Scribing in Different Atmospheres and Application in Humidity Sensing. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-7.	2.7	9
13	Nanoparticles Engineering by Pulsed Laser Ablation in Liquids: Concepts and Applications. <i>Nanomaterials</i> , 2020, 10, 2317.	4.1	140
14	Passively Q-switched Yb-doped fiber laser based on Ag nanoplates saturable absorber. <i>EPJ Web of Conferences</i> , 2020, 243, 14004.	0.3	0
15	Monochromatic light driven synthesis and growth of flat silver nanoparticles and their plasmon sensitivity. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9734-9741.	5.5	13
16	Solution-processed two-dimensional materials for ultrafast fiber lasers (invited). <i>Nanophotonics</i> , 2020, 9, 2169-2189.	6.0	43
17	Passively Q-switched Yb-doped all-fiber laser based on Ag nanoplates as saturable absorber. <i>Nanophotonics</i> , 2020, 9, 3873-3880.	6.0	22
18	Growth Kinetics and Sensing Features of Colloidal Silver Nanoplates. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-8.	2.7	16

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19	Plasmon sensing and enhancement of laser prepared silver colloidal nanoplates. Applied Surface Science, 2019, 475, 633-638.	6.1	25
20	Surface-Enhanced Raman Scattering of 4-Aminobenzenethiol on Au Nanorod Ordered Arrays. Journal of Physical Chemistry C, 2014, 118, 13260-13267.	3.1	36
21	Highly sensitive, transparent, and flexible gas sensors based on gold nanoparticle decorated carbon nanotubes. Sensors and Actuators B: Chemical, 2013, 188, 571-575.	7.8	77
22	Spray deposition of Silver Nanowire transparent conductive networks. , 2012, , .		1
23	Carbon Nanotube network based sensors. , 2012, , .		2
24	Spray Deposition of Highly Transparent, Low-Resistance Networks of Silver Nanowires over Large Areas. Small, 2011, 7, 2621-2628.	10.0	282
25	Very thin transparent, conductive carbon nanotube films on flexible substrates. Applied Physics Letters, 2010, 97, .	3.3	120
26	The spatial uniformity and electromechanical stability of transparent, conductive films of single walled nanotubes. Carbon, 2009, 47, 2466-2473.	10.3	165
27	Transparent, Flexible, and Highly Conductive Thin Films Based on Polymer-Nanotube Composites. ACS Nano, 2009, 3, 714-720.	14.6	271
28	Soliton fiber laser mode-locked by a single-wall carbon nanotube-polymer composite. Physica Status Solidi (B): Basic Research, 2008, 245, 2319-2322.	1.5	21
29	Carbon Nanotube Polycarbonate Composites for Ultrafast Lasers. Advanced Materials, 2008, 20, 4040-4043.	21.0	148
30	Dispersibility and stability improvement of unfunctionalized nanotubes in amide solvents by polymer wrapping. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2414-2418.	2.7	19
31	Optical properties of nanotube bundles by photoluminescence excitation and absorption spectroscopy. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2352-2359.	2.7	33
32	Optical trapping of carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2347-2351.	2.7	36
33	Hysteresis suppression in self-assembled single-wall nanotube field effect transistors. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2278-2282.	2.7	23
34	High-yield production of graphene by liquid-phase exfoliation of graphite. Nature Nanotechnology, 2008, 3, 563-568.	31.5	5,431
35	Wideband-tuneable, nanotube mode-locked, fibre laser. Nature Nanotechnology, 2008, 3, 738-742.	31.5	596
36	Femtonewton Force Sensing with Optically Trapped Nanotubes. Nano Letters, 2008, 8, 3211-3216.	9.1	118

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37	Characterization of carbon nanotube-thermotropic nematic liquid crystal composites. Journal Physics D: Applied Physics, 2008, 41, 125106.	2.8	50
38	Polymer-Assisted Isolation of Single Wall Carbon Nanotubes in Organic Solvents for Optical-Quality Nanotube-Polymer Composites. Journal of Physical Chemistry C, 2008, 112, 20227-20232.	3.1	45
39	Advanced waveguide lasers fabricated by femtosecond laser writing in an Er:Yb-doped phosphate glass. , 2007, , .		1
40	Carbon nanotube-polymer composites for photonic devices. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 115-118.	2.7	44
41	Carbon nanotubes for ultrafast photonics. Physica Status Solidi (B): Basic Research, 2007, 244, 4303-4307.	1.5	29
42	Stabilization and "Debundling" of Single-Wall Carbon Nanotube Dispersions in N-Methyl-2-pyrrolidone (NMP) by Polyvinylpyrrolidone (PVP). Journal of Physical Chemistry C, 2007, 111, 12594-12602.	3.1	158
43	Photoluminescence Spectroscopy of Carbon Nanotube Bundles: Evidence for Exciton Energy Transfer. Physical Review Letters, 2007, 99, 137402.	7.8	181
44	Passive mode locking by carbon nanotubes in a femtosecond laser written waveguide laser. Applied Physics Letters, 2006, 89, 231115.	3.3	91
45	Catalytic Chemical Vapor Deposition of Single-Wall Carbon Nanotubes at Low Temperatures. Nano Letters, 2006, 6, 1107-1112.	9.1	297
46	Generation of ultra-fast laser pulses using nanotube mode-lockers. Physica Status Solidi (B): Basic Research, 2006, 243, 3551-3555.	1.5	40
47	Raman Spectrum of Graphene and Graphene Layers. Physical Review Letters, 2006, 97, 187401.	7.8	12,689