

Vittorio Scardaci

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7260860/publications.pdf>

Version: 2024-02-01

47
papers

21,412
citations

236925

25
h-index

243625

44
g-index

48
all docs

48
docs citations

48
times ranked

28442
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman Spectrum of Graphene and Graphene Layers. <i>Physical Review Letters</i> , 2006, 97, 187401.	7.8	12,689
2	High-yield production of graphene by liquid-phase exfoliation of graphite. <i>Nature Nanotechnology</i> , 2008, 3, 563-568.	31.5	5,431
3	Wideband-tuneable, nanotube mode-locked, fibre laser. <i>Nature Nanotechnology</i> , 2008, 3, 738-742.	31.5	596
4	Catalytic Chemical Vapor Deposition of Single-Wall Carbon Nanotubes at Low Temperatures. <i>Nano Letters</i> , 2006, 6, 1107-1112.	9.1	297
5	Spray Deposition of Highly Transparent, Low-Resistance Networks of Silver Nanowires over Large Areas. <i>Small</i> , 2011, 7, 2621-2628.	10.0	282
6	Transparent, Flexible, and Highly Conductive Thin Films Based on Polymer-Nanotube Composites. <i>ACS Nano</i> , 2009, 3, 714-720.	14.6	271
7	Photoluminescence Spectroscopy of Carbon Nanotube Bundles: Evidence for Exciton Energy Transfer. <i>Physical Review Letters</i> , 2007, 99, 137402.	7.8	181
8	The spatial uniformity and electromechanical stability of transparent, conductive films of single walled nanotubes. <i>Carbon</i> , 2009, 47, 2466-2473.	10.3	165
9	Stabilization and "Debundling" of Single-Wall Carbon Nanotube Dispersions in <i>N</i> -Methyl-2-pyrrolidone (NMP) by Polyvinylpyrrolidone (PVP). <i>Journal of Physical Chemistry C</i> , 2007, 111, 12594-12602.	3.1	158
10	Carbon Nanotube Polycarbonate Composites for Ultrafast Lasers. <i>Advanced Materials</i> , 2008, 20, 4040-4043.	21.0	148
11	Nanoparticles Engineering by Pulsed Laser Ablation in Liquids: Concepts and Applications. <i>Nanomaterials</i> , 2020, 10, 2317.	4.1	140
12	Very thin transparent, conductive carbon nanotube films on flexible substrates. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	120
13	Femtonewton Force Sensing with Optically Trapped Nanotubes. <i>Nano Letters</i> , 2008, 8, 3211-3216.	9.1	118
14	Passive mode locking by carbon nanotubes in a femtosecond laser written waveguide laser. <i>Applied Physics Letters</i> , 2006, 89, 2311-2315.	3.3	91
15	Highly sensitive, transparent, and flexible gas sensors based on gold nanoparticle decorated carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 571-575.	7.8	77
16	Characterization of carbon nanotube-thermotropic nematic liquid crystal composites. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 125106.	2.8	50
17	Polymer-Assisted Isolation of Single Wall Carbon Nanotubes in Organic Solvents for Optical-Quality Nanotube-Polymer Composites. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20227-20232.	3.1	45
18	Carbon nanotube-polymer composites for photonic devices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 37, 115-118.	2.7	44

#	ARTICLE	IF	CITATIONS
19	Solution-processed two-dimensional materials for ultrafast fiber lasers (invited). <i>Nanophotonics</i> , 2020, 9, 2169-2189.	6.0	43
20	Generation of ultra-fast laser pulses using nanotube mode-lockers. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3551-3555.	1.5	40
21	Raman Spectroscopy Investigation of Graphene Oxide Reduction by Laser Scribing. <i>Journal of Carbon Research</i> , 2021, 7, 48.	2.7	39
22	Optical trapping of carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2347-2351.	2.7	36
23	Surface-Enhanced Raman Scattering of 4-Aminobenzenethiol on Au Nanorod Ordered Arrays. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13260-13267.	3.1	36
24	Optical properties of nanotube bundles by photoluminescence excitation and absorption spectroscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2352-2359.	2.7	33
25	Carbon nanotubes for ultrafast photonics. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4303-4307.	1.5	29
26	Plasmon sensing and enhancement of laser prepared silver colloidal nanoplates. <i>Applied Surface Science</i> , 2019, 475, 633-638.	6.1	25
27	Hysteresis suppression in self-assembled single-wall nanotube field effect transistors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2278-2282.	2.7	23
28	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
29	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
30	Soliton fiber laser mode-locked by a single-wall carbon nanotube-polymer composite. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2319-2322.	1.5	21
31	Dispersibility and stability improvement of unfunctionalized nanotubes in amide solvents by polymer wrapping. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2414-2418.	2.7	19
32	Growth Kinetics and Sensing Features of Colloidal Silver Nanoplates. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-8.	2.7	16
33	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
34	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
35	Laser Synthesized Graphene and Its Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6304.	2.5	10
36	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

#	ARTICLE	IF	CITATIONS
37	Surface Plasmon Resonance Dependent Third-Order Optical Nonlinearities of Silver Nanoplates. Photonics, 2021, 8, 299.	2.0	9
38	Copper Nanowires for Transparent Electrodes: Properties, Challenges and Applications. Applied Sciences (Switzerland), 2021, 11, 8035.	2.5	9
39	Raman spectroscopy data related to the laser induced reduction of graphene oxide. Data in Brief, 2021, 38, 107306.	1.0	9
40	Silver nanoplates paved PMMA cuvettes as a cheap and re-usable plasmonic sensing device. Applied Surface Science, 2021, 566, 150701.	6.1	9
41	Anisotropic Silver Nanomaterials by Photochemical Reactions: Synthesis and Applications. Nanomaterials, 2021, 11, 2226.	4.1	7
42	Fast One-Step Synthesis of Anisotropic Silver Nanoparticles. Applied Sciences (Switzerland), 2021, 11, 8949.	2.5	7
43	Carbon Nanotube network based sensors. , 2012, , .		2
44	Advanced waveguide lasers fabricated by femtosecond laser writing in an Er:Yb-doped phosphate glass. , 2007, , .		1
45	Spray deposition of Silver Nanowire transparent conductive networks. , 2012, , .		1
46	Recent Progress on Metal-Based Nanomaterials: Fabrications, Optical Properties, and Applications in Ultrafast Photonics (Adv. Funct. Mater. 49/2021). Advanced Functional Materials, 2021, 31, 2170364.	14.9	1
47	Passively Q-switched Yb-doped fiber laser based on Ag nanoplates saturable absorber. EPJ Web of Conferences, 2020, 243, 14004.	0.3	0