

Antonino Foti

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

785
citations

623188

14
h-index

552369

26
g-index

31
all docs

31
docs citations

31
times ranked

1341
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing Commercial Metal-Coated AFM Tips and Home-Made Bulk Gold Tips for Tip-Enhanced Raman Spectroscopy of Polymer Functionalized Multiwalled Carbon Nanotubes. <i>Nanomaterials</i> , 2022, 12, 451.	1.9	4
2	Raman tweezers for tire and road wear micro- and nanoparticles analysis. <i>Environmental Science: Nano</i> , 2022, 9, 145-161.	2.2	14
3	Fabrication of a Novel Electrochemical Sensor Based on Carbon Cloth Matrix Functionalized with MoO ₃ and 2D-MoS ₂ Layers for Riboflavin Determination. <i>Sensors</i> , 2021, 21, 1371.	2.1	12
4	Micro-photoluminescence of Carbon Dots Deposited on Twisted Double-Layer Graphene Grown by Chemical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7324-7333.	4.0	3
5	Optical tweezers in a dusty universe. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	5
6	Optically induced aggregation by radiation pressure of gold nanorods on graphene for SERS detection of biomolecules. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	0
7	Raman Tweezers for single nanoplastic particles analysis in liquid environment. , 2021, , .		0
8	Detection of microplastics in a digested complex organic medium by Raman Tweezers. , 2021, , .		0
9	Large-scale patterning of π -conjugated materials by meniscus guided coating methods. <i>Advances in Colloid and Interface Science</i> , 2020, 275, 102080.	7.0	21
10	Reduced Lasing Thresholds in GeSn Microdisk Cavities with Defect Management of the Optically Active Region. <i>ACS Photonics</i> , 2020, 7, 2713-2722.	3.2	42
11	Ultra-low-threshold continuous-wave and pulsed lasing in tensile-strained GeSn alloys. <i>Nature Photonics</i> , 2020, 14, 375-382.	15.6	145
12	Hydrogen Plasma-Assisted Growth of Gold Nanowires. <i>Crystal Growth and Design</i> , 2020, 20, 4185-4192.	1.4	3
13	Study of the Molecular Bending in Azobenzene Self-Assembled Monolayers Observed by Tip-Enhanced Raman Spectroscopy in Scanning Tunneling Mode. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26554-26563.	1.5	5
14	Toward Efficient Radial Junction Silicon Nanowire-Based Solar Mini-Modules. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800402.	1.2	10
15	Optical Force Positioning and Aggregation of Nanoparticles. , 2019, , .		0
16	SERS amplification by ultra-dense plasmonic arrays on self-organized PDMS templates. <i>Applied Surface Science</i> , 2018, 446, 83-91.	3.1	27
17	Optical trapping and optical force positioning of two-dimensional materials. <i>Nanoscale</i> , 2018, 10, 1245-1255.	2.8	44
18	Low cost tips for tip-enhanced Raman spectroscopy fabricated by two-step electrochemical etching of 125 μ m diameter gold wires. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2718-2729.	1.5	13

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19	Optical Aggregation of Gold Nanoparticles for SERS Detection of Proteins and Toxins in Liquid Environment: Towards Ultrasensitive and Selective Detection. <i>Materials</i> , 2018, 11, 440.	1.3	42
20	Nanoscale Discrimination between Toxic and Nontoxic Protein Misfolded Oligomers with Tip-Enhanced Raman Spectroscopy. <i>Small</i> , 2018, 14, e1800890.	5.2	35
21	Optical force decoration of 3D microstructures with plasmonic particles. <i>Optics Letters</i> , 2018, 43, 5170.	1.7	8
22	Double-Wall Nanotubes and Graphene Nanoplatelets for Hybrid Conductive Adhesives with Enhanced Thermal and Electrical Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23244-23259.	4.0	63
23	SERS detection of Biomolecules at Physiological pH via aggregation of Gold Nanorods mediated by Optical Forces and Plasmonic Heating. <i>Scientific Reports</i> , 2016, 6, 26952.	1.6	141
24	SERS Amplification from Self-Organized Arrays of Plasmonic Nanocrescents. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6629-6638.	4.0	32
25	On the SERS depolarization ratio. <i>Nanospectroscopy</i> , 2015, 1, .	0.7	6
26	Metal Nanoparticles Deposited on Porous Silicon Templates as Novel Substrates for SERS. <i>Croatica Chemica Acta</i> , 2015, 88, 437-444.	0.1	17
27	Optical tweezers: a non-destructive tool for soft and biomaterial investigations. <i>Rendiconti Lincei</i> , 2015, 26, 203-218.	1.0	9
28	Optical trapping of silver nanoplatelets. <i>Optics Express</i> , 2015, 23, 8720.	1.7	23
29	Red shifted spectral dependence of the SERS enhancement in a random array of gold nanoparticles covered with a silica shell: extinction versus scattering. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 114016.	1.0	25
30	A Shape-Engineered Surface-Enhanced Raman Scattering Optical Fiber Sensor Working from the Visible to the Near-Infrared. <i>Plasmonics</i> , 2013, 8, 13-23.	1.8	36