Antonino Foti

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7096787/publications.pdf

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30	785	623188	552369
papers	citations	14 h-index	26 g-index

31	31	31	1341
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultra-low-threshold continuous-wave and pulsed lasing in tensile-strained GeSn alloys. Nature Photonics, 2020, 14, 375-382.	15.6	145
2	SERS detection of Biomolecules at Physiological pH via aggregation of Gold Nanorods mediated by Optical Forces and Plasmonic Heating. Scientific Reports, 2016, 6, 26952.	1.6	141
3	Double-Wall Nanotubes and Graphene Nanoplatelets for Hybrid Conductive Adhesives with Enhanced Thermal and Electrical Conductivity. ACS Applied Materials & Interfaces, 2016, 8, 23244-23259.	4.0	63
4	Optical trapping and optical force positioning of two-dimensional materials. Nanoscale, 2018, 10, 1245-1255.	2.8	44
5	Optical Aggregation of Gold Nanoparticles for SERS Detection of Proteins and Toxins in Liquid Environment: Towards Ultrasensitive and Selective Detection. Materials, 2018, 11, 440.	1.3	42
6	Reduced Lasing Thresholds in GeSn Microdisk Cavities with Defect Management of the Optically Active Region. ACS Photonics, 2020, 7, 2713-2722.	3.2	42
7	A Shape-Engineered Surface-Enhanced Raman Scattering Optical Fiber Sensor Working from the Visible to the Near-Infrared. Plasmonics, 2013, 8, 13-23.	1.8	36
8	Nanoscale Discrimination between Toxic and Nontoxic Protein Misfolded Oligomers with Tipâ€Enhanced Raman Spectroscopy. Small, 2018, 14, e1800890.	5.2	35
9	SERS Amplification from Self-Organized Arrays of Plasmonic Nanocrescents. ACS Applied Materials & Interfaces, 2016, 8, 6629-6638.	4.0	32
10	SERS amplification by ultra-dense plasmonic arrays on self-organized PDMS templates. Applied Surface Science, 2018, 446, 83-91.	3.1	27
11	Red shifted spectral dependence of the SERS enhancement in a random array of gold nanoparticles covered with a silica shell: extinction versus scattering. Journal of Optics (United Kingdom), 2015, 17, 114016.	1.0	25
12	Optical trapping of silver nanoplatelets. Optics Express, 2015, 23, 8720.	1.7	23
13	Large-scale patterning of Ï€-conjugated materials by meniscus guided coating methods. Advances in Colloid and Interface Science, 2020, 275, 102080.	7.0	21
14	Metal Nanoparticles Deposited on Porous Silicon Templates as Novel Substrates for SERS. Croatica Chemica Acta, 2015, 88, 437-444.	0.1	17
15	Raman tweezers for tire and road wear micro- and nanoparticles analysis. Environmental Science: Nano, 2022, 9, 145-161.	2.2	14
16	Low cost tips for tip-enhanced Raman spectroscopy fabricated by two-step electrochemical etching of 125 Âµm diameter gold wires. Beilstein Journal of Nanotechnology, 2018, 9, 2718-2729.	1.5	13
17	Fabrication of a Novel Electrochemical Sensor Based on Carbon Cloth Matrix Functionalized with MoO3 and 2D-MoS2 Layers for Riboflavin Determination. Sensors, 2021, 21, 1371.	2.1	12
18	Toward Efficient Radial Junction Silicon Nanowireâ€Based Solar Miniâ€Modules. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800402.	1.2	10

#	Article	IF	Citations
19	Optical tweezers: a non-destructive tool for soft and biomaterial investigations. Rendiconti Lincei, 2015, 26, 203-218.	1.0	9
20	Optical force decoration of 3D microstructures with plasmonic particles. Optics Letters, 2018, 43, 5170.	1.7	8
21	On the SERS depolarization ratio. Nanospectroscopy, 2015, 1, .	0.7	6
22	Study of the Molecular Bending in Azobenzene Self-Assembled Monolayers Observed by Tip-Enhanced Raman Spectroscopy in Scanning Tunneling Mode. Journal of Physical Chemistry C, 2019, 123, 26554-26563.	1.5	5
23	Optical tweezers in a dusty universe. European Physical Journal Plus, 2021, 136, 1.	1.2	5
24	Comparing Commercial Metal-Coated AFM Tips and Home-Made Bulk Gold Tips for Tip-Enhanced Raman Spectroscopy of Polymer Functionalized Multiwalled Carbon Nanotubes. Nanomaterials, 2022, 12, 451.	1.9	4
25	Hydrogen Plasma-Assisted Growth of Gold Nanowires. Crystal Growth and Design, 2020, 20, 4185-4192.	1.4	3
26	Micro-photoluminescence of Carbon Dots Deposited on Twisted Double-Layer Graphene Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2021, 13, 7324-7333.	4.0	3
27	Optically induced aggregation by radiation pressure of gold nanorods on graphene for SERS detection of biomolecules. European Physical Journal Plus, 2021, 136, 1.	1.2	0
28	Optical Force Positioning and Aggregation of Nanoparticles. , 2019, , .		0
29	Raman Tweezers for single nanoplastic particles analysis in liquid environment. , 2021, , .		0
30	Detection of microplastics in a digested complex organic medium by Raman Tweezers. , 2021, , .		0