

Giorgia Giovannini

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

771
citations

516710

16
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

1086
citing authors

#	ARTICLE	IF	CITATIONS
1	SERS discrimination of single DNA bases in single oligonucleotides by electro-plasmonic trapping. <i>Nature Communications</i> , 2019, 10, 5321.	12.8	151
2	Dye-doped silica nanoparticles: synthesis, surface chemistry and bioapplications. <i>Cancer Nanotechnology</i> , 2020, 11, .	3.7	91
3	Detecting COVID-19 from Breath: A Game Changer for a Big Challenge. <i>ACS Sensors</i> , 2021, 6, 1408-1417.	7.8	88
4	Multiplexed Discrimination of Single Amino Acid Residues in Polypeptides in a Single SERS Hot Spot. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11423-11431.	13.8	71
5	Nanoporous gold metamaterials for high sensitivity plasmonic sensing. <i>Nanoscale Horizons</i> , 2019, 4, 1153-1157.	8.0	46
6	Hybrid plasmonic nanostructures based on controlled integration of MoS ₂ flakes on metallic nanoholes. <i>Nanoscale</i> , 2018, 10, 17105-17111.	5.6	32
7	pH-responsive silica nanoparticles for the treatment of skin wound infections. <i>Acta Biomaterialia</i> , 2022, 145, 172-184.	8.3	32
8	λ-DNA through Porous Materialsâ€™ Surface-Enhanced Raman Scattering in a Simple Plasmonic Nanopore. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22663-22670.	3.1	28
9	Metallic Nanoporous Aluminumâ€™Magnesium Alloy for UV-Enhanced Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20287-20296.	3.1	27
10	â€™Overloadingâ€™ fluorescent silica nanoparticles with dyes to improve biosensor performance. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5564-5572.	5.8	25
11	Stabilizing silica nanoparticles in hydrogels: impact on storage and polydispersity. <i>RSC Advances</i> , 2017, 7, 19924-19933.	3.6	22
12	Improving colloidal stability of silica nanoparticles when stored in responsive gel: application and toxicity study. <i>Nanotoxicology</i> , 2018, 12, 407-422.	3.0	21
13	Galvanic Replacement Reaction as a Route to Prepare Nanoporous Aluminum for UV Plasmonics. <i>Nanomaterials</i> , 2020, 10, 102.	4.1	20
14	Site-selective functionalization of plasmonic nanopores for enhanced fluorescence emission rate and Förster resonance energy transfer. <i>Nanoscale Advances</i> , 2019, 1, 2454-2461.	4.6	19
15	Bioâ€™Assisted Tailored Synthesis of Plasmonic Silver Nanorings and Siteâ€™Selective Deposition on Graphene Arrays. <i>Advanced Optical Materials</i> , 2020, 8, 1901583.	7.3	18
16	Site-Selective Integration of MoS ₂ Flakes on Nanopores by Means of Electrophoretic Deposition. <i>ACS Omega</i> , 2019, 4, 9294-9300.	3.5	16
17	Metal-Modified Montmorillonite as Plasmonic Microstructure for Direct Protein Detection. <i>Sensors</i> , 2021, 21, 2655.	3.8	14
18	Coumarin-based, switchable fluorescent substrates for enzymatic bacterial detection. <i>Talanta</i> , 2018, 188, 448-453.	5.5	8

#	ARTICLE	IF	CITATIONS
19	3D nanoporous antennas as a platform for high sensitivity IR plasmonic sensing. Optics Express, 2019, 27, 25912.	3.4	8
20	Electrophoretic Deposition of WS ₂ Flakes on Nanoholes Arrays – Role of Used Suspension Medium. Materials, 2019, 12, 3286.	2.9	7
21	Novel electro-magnetophoretic separation method for the highly sensitive detection of analytes. Nanoscale Horizons, 2020, 5, 95-101.	8.0	7
22	Changes in Optical Properties upon Dye – Clay Interaction: Experimental Evaluation and Applications. Nanomaterials, 2021, 11, 197.	4.1	7
23	Thioflavin-modified molecularly imprinted hydrogel for fluorescent-based non-enzymatic glucose detection in wound exudate. Materials Today Bio, 2022, 14, 100258.	5.5	6
24	“Off-on” switchable fluorescent probe for prompt and cost-efficient detection of bacteria. New Journal of Chemistry, 2019, 43, 13094-13102.	2.8	4
25	Scalable production of magnetic fluorescent cellulose microparticles. Cellulose, 2021, 28, 7675-7685.	4.9	3
26	Plasmonic nanopore prepared on MoS ₂ membrane - hybrid nanostructures based on site selective deposition. , 2019, , .		0
27	FRET characterization of hollow plasmonic nanoantennas. , 2019, , .		0