

Alessandro ChiadÃ²

List of Publications by Year in descending order

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31
papers

710
citations

516215

16
h-index

552369

26
g-index

31
all docs

31
docs citations

31
times ranked

1263
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional 3D printing: Approaches and bioapplications. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112849.	5.3	83
2	SERS-Active Ag Nanoparticles on Porous Silicon and PDMS Substrates: A Comparative Study of Uniformity and Raman Efficiency. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16946-16953.	1.5	57
3	Polymeric 3D Printed Functional Microcantilevers for Biosensing Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19193-19201.	4.0	55
4	Ultrasensitive Ag-coated TiO ₂ nanotube arrays for flexible SERS-based optofluidic devices. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6868-6875.	2.7	54
5	Surface Enhanced Raman Spectroscopy for Quantitative Analysis: Results of a Large-Scale European Multi-Instrument Interlaboratory Study. <i>Analytical Chemistry</i> , 2020, 92, 4053-4064.	3.2	50
6	A modular 3D printed lab-on-a-chip for early cancer detection. <i>Lab on A Chip</i> , 2020, 20, 665-674.	3.1	44
7	Immobilization of Oligonucleotides on Metal-Dielectric Nanostructures for miRNA Detection. <i>Analytical Chemistry</i> , 2016, 88, 9554-9563.	3.2	41
8	SERS-active metal-dielectric nanostructures integrated in microfluidic devices for label-free quantitative detection of miRNA. <i>Faraday Discussions</i> , 2017, 205, 271-289.	1.6	39
9	Surface-enhanced Raman spectroscopy on porous silicon membranes decorated with Ag nanoparticles integrated in elastomeric microfluidic chips. <i>RSC Advances</i> , 2016, 6, 21865-21870.	1.7	32
10	Enhanced fluorescence detection of miRNA-16 on a photonic crystal. <i>Analyst</i> , 2015, 140, 5459-5463.	1.7	31
11	Experimental evidence of Fano resonances in nanomechanical resonators. <i>Scientific Reports</i> , 2017, 7, 1065.	1.6	25
12	Monolithic glass suspended microchannel resonators for enhanced mass sensing of liquids. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 298-303.	4.0	22
13	Electrospun Nanofibers: from Food to Energy by Engineered Electrodes in Microbial Fuel Cells. <i>Nanomaterials</i> , 2020, 10, 523.	1.9	21
14	Opening Study on the Development of a New Biosensor for Metal Toxicity Based on <i>Pseudomonas fluorescens</i> Pyoverdine. <i>Biosensors</i> , 2013, 3, 385-399.	2.3	20
15	Optimization and characterization of a homogeneous carboxylic surface functionalization for silicon-based biosensing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 143, 252-259.	2.5	20
16	Label-Free SERS Discrimination and In Situ Analysis of Life Cycle in <i>Escherichia coli</i> and <i>Staphylococcus epidermidis</i> . <i>Biosensors</i> , 2018, 8, 131.	2.3	16
17	Rational engineering of the lcc ¹² <i>T. versicolor</i> laccase for the mediator-less oxidation of large polycyclic aromatic hydrocarbons. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2213-2222.	1.9	16
18	Succinic anhydride functionalized microcantilevers for protein immobilization and quantification. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7917-7926.	1.9	12

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19	Functionalized ZnO nanowires for microcantilever biosensors with enhanced binding capability. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2615-2625.	1.9	12
20	Graphenic Aerogels Decorated with Ag Nanoparticles as 3D SERS Substrates for Biosensing. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000095.	1.2	9
21	Rational Modification of Estrogen Receptor by Combination of Computational and Experimental Analysis. <i>PLoS ONE</i> , 2014, 9, e102658.	1.1	8
22	Laser-Triggered Writing and Biofunctionalization of Thiolene Networks. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000084.	2.0	7
23	Combined photocatalytic degradation of pollutants and inactivation of waterborne pathogens using solar light active $\text{I}^{\pm}/\text{I}^2\text{-Bi}_2\text{O}_3$. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 615, 126214.	2.3	7
24	$\text{Bi}_2\text{O}_3/\text{nylon}$ multilayered nanocomposite membrane for the photocatalytic inactivation of waterborne pathogens and degradation of mixed organic pollutants. <i>Environmental Science: Nano</i> , 2021, 8, 342-355.	2.2	7
25	Bi_2O_3 immobilized 3D structured clay filters for solar photocatalytic treatment of wastewater from batch to scaleup reactors. <i>Materials Chemistry and Physics</i> , 2022, 276, 125297.	2.0	6
26	Photofabrication of polymeric biomicrofluidics: New insights into material selection. <i>Materials Science and Engineering C</i> , 2020, 106, 110166.	3.8	5
27	Advanced ELISA-like Biosensing Based on Ultralarge-Pore Silica Microbeads. <i>ACS Applied Bio Materials</i> , 2020, 3, 5787-5795.	2.3	5
28	Cysteine-mediated synthesis of silver nanonets and their use for Surface Enhanced Raman Scattering (SERS). <i>Materials Letters</i> , 2019, 247, 208-210.	1.3	4
29	Real-Time Monitoring of the In Situ Microfluidic Synthesis of Ag Nanoparticles on Solid Substrate for Reliable SERS Detection. <i>Biosensors</i> , 2021, 11, 520.	2.3	2
30	SERS-active Metal-dielectric Nanostructures Integrated in Microfluidic Devices for Ultra-sensitive Label-free miRNA Detection. <i>Procedia Technology</i> , 2017, 27, 37-38.	1.1	0
31	Graphene-Metal Nanostructures as Surface Enhanced Raman Scattering Substrates for Biosensing. <i>Procedia Technology</i> , 2017, 27, 236-237.	1.1	0