

Chiara Novara

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

975
citations

393982

19
h-index

433756

31
g-index

31
all docs

31
docs citations

31
times ranked

1833
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ Raman analyses of the soot oxidation reaction over nanostructured ceria-based catalysts. <i>Scientific Reports</i> , 2019, 9, 3875.	1.6	85
2	Inside the different types of carbon black as nanomodifiers for screen-printed electrodes. <i>Electrochimica Acta</i> , 2019, 317, 673-683.	2.6	70
3	Effect of morphology and defectiveness of graphene-related materials on the electrical and thermal conductivity of their polymer nanocomposites. <i>Polymer</i> , 2016, 102, 292-300.	1.8	69
4	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
5	An Investigation on the Sinterability and the Compaction Behavior of Aluminum/Graphene Nanoplatelets (GNPs) Prepared by Powder Metallurgy. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 993-999.	1.2	53
6	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
7	Effect of thermal annealing on the heat transfer properties of reduced graphite oxide flakes: A nanoscale characterization via scanning thermal microscopy. <i>Carbon</i> , 2016, 109, 390-401.	5.4	46
8	Novel Mn ²⁺ -Cu-Containing CeO ₂ Nanopolyhedra for the Oxidation of CO and Diesel Soot: Effect of Dopants on the Nanostructure and Catalytic Activity. <i>Catalysis Letters</i> , 2018, 148, 298-311.	1.4	42
9	Immobilization of Oligonucleotides on Metal-Dielectric Nanostructures for miRNA Detection. <i>Analytical Chemistry</i> , 2016, 88, 9554-9563.	3.2	41
10	SERS active silver nanoparticles synthesized by inkjet printing on mesoporous silicon. <i>Nanoscale Research Letters</i> , 2014, 9, 527.	3.1	40
11	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
12	Silver-doped keratin nanofibers preserve a titanium surface from biofilm contamination and favor soft-tissue healing. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8366-8377.	2.9	39
13	Edge-Grafted Molecular Junctions between Graphene Nanoplatelets: Applied Chemistry to Enhance Heat Transfer in Nanomaterials. <i>Advanced Functional Materials</i> , 2018, 28, 1706954.	7.8	39
14	Catalytic Oxidation of CO and Soot over Ce-Zr-Pr Mixed Oxides Synthesized in a Multi-Inlet Vortex Reactor: Effect of Structural Defects on the Catalytic Activity. <i>Nanoscale Research Letters</i> , 2016, 11, 494.	3.1	37
15	Effect of the addition of Al ₂ O ₃ , TiO ₂ and ZnO on the thermal, structural and luminescence properties of Er ³⁺ -doped phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2017, 460, 161-168.	1.5	37
16	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
17	Nanostructured Ceria-Based Materials: Effect of the Hydrothermal Synthesis Conditions on the Structural Properties and Catalytic Activity. <i>Catalysts</i> , 2017, 7, 174.	1.6	32
18	Optimization and Characterization of Paper-Made Surface Enhanced Raman Scattering (SERS) Substrates with Au and Ag NPs for Quantitative Analysis. <i>Materials</i> , 2017, 10, 1365.	1.3	28

#	ARTICLE	IF	CITATIONS
19	New branched flower-like Ag nanostructures for SERS analysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 578, 123600.	2.3	21
20	New insights on the defect sites evolution during CO oxidation over doped ceria nanocatalysts probed by in situ Raman spectroscopy. <i>Applied Catalysis A: General</i> , 2020, 596, 117517.	2.2	19
21	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
22	The interaction of H ₂ O ₂ with TiAlPO-5 molecular sieves: probing the catalytic potential of framework substituted Ti ions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11099.	1.3	14
23	Osteoporosis-related variations of trabecular bone properties of proximal human humeral heads at different scale lengths. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 100, 103373.	1.5	14
24	Nanostructured ceria-based catalysts doped with La and Nd: How acid-base sites and redox properties determine the oxidation mechanisms. <i>Catalysis Today</i> , 2022, 390-391, 117-134.	2.2	14
25	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
26	Bispyrene Functionalization Drives Self-Assembly of Graphite Nanoplates into Highly Efficient Heat Spreader Foils. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15509-15517.	4.0	8
27	Innovative Coatings Based on Peppermint Essential Oil on Titanium and Steel Substrates: Chemical and Mechanical Protection Ability. <i>Materials</i> , 2020, 13, 516.	1.3	7
28	Wide range temperature stability of palladium on ceria-praseodymia catalysts for complete methane oxidation. <i>Catalysis Today</i> , 2022, 390-391, 185-197.	2.2	7
29	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
30	Cerium-Copper Oxides Synthesized in a Multi-Inlet Vortex Reactor as Effective Nanocatalysts for CO and Ethene Oxidation Reactions. <i>Catalysts</i> , 2022, 12, 364.	1.6	4
31	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