

Lucrezia Aversa

List of Publications by Year in descending order

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34
papers

634
citations

623734

14
h-index

580821

25
g-index

35
all docs

35
docs citations

35
times ranked

1165
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectrophotometric method for optical band gap and electronic transitions determination of semiconductor materials. <i>Optical Materials</i> , 2017, 64, 18-25.	3.6	109
2	Graphene oxide prepared by graphene nanoplatelets and reduced by laser treatment. <i>Nanotechnology</i> , 2017, 28, 224002.	2.6	53
3	Electronic properties of CuPc and H2Pc: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12864.	2.8	51
4	Enhancement of the core near-band-edge emission induced by an amorphous shell in coaxial one-dimensional nanostructure: the case of SiC/SiO ₂ core/shell self-organized nanowires. <i>Nanotechnology</i> , 2010, 21, 345702.	2.6	37
5	In situ decoration of laser-scribed graphene with TiO ₂ nanoparticles for scalable high-performance micro-supercapacitors. <i>Carbon</i> , 2021, 176, 296-306.	10.3	37
6	Optimization of a buffer layer for cubic silicon carbide growth on silicon substrates. <i>Journal of Crystal Growth</i> , 2013, 383, 84-94.	1.5	32
7	Synthesis of single layer graphene on Cu(111) by C ₆₀ supersonic molecular beam epitaxy. <i>RSC Advances</i> , 2016, 6, 37982-37993.	3.6	31
8	Epitaxy of Nanocrystalline Silicon Carbide on Si(111) at Room Temperature. <i>Journal of the American Chemical Society</i> , 2012, 134, 17400-17403.	13.7	30
9	Tracking the Hydrogen Motion in Defective Graphene. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7110-7116.	3.1	26
10	Electronic properties of tetrakis(pentafluorophenyl)porphyrin. <i>New Journal of Chemistry</i> , 2013, 37, 1036.	2.8	23
11	Synthesis of SiC on Si(111) at moderate temperatures by supersonic C60 beams. <i>Applied Surface Science</i> , 2001, 184, 350-355.	6.1	21
12	Asymmetric supercapacitors based on nickel decorated graphene and porous graphene electrodes. <i>Electrochimica Acta</i> , 2022, 424, 140626.	5.2	19
13	High mobility <i>n</i> -type organic thin-film transistors deposited at room temperature by supersonic molecular beam deposition. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	18
14	Carbon-doped SiO ₂ nanowires with a large yield of white emission. <i>Nanotechnology</i> , 2014, 25, 185704.	2.6	16
15	Interfacing aptamers, nanoparticles and graphene in a hierarchical structure for highly selective detection of biomolecules in OECT devices. <i>Scientific Reports</i> , 2021, 11, 9380.	3.3	15
16	Surface doping in T6/PDI-8CN2 heterostructures investigated by transport and photoemission measurements. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	12
17	Non-adiabatic <i>ab initio</i> molecular dynamics of supersonic beam epitaxy of silicon carbide at room temperature. <i>Journal of Chemical Physics</i> , 2013, 138, 044701.	3.0	12
18	Functionalization of SiC/SiO ₂ nanowires with a porphyrin derivative: a hybrid nanosystem for X-ray induced singlet oxygen generation. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 165-172.	3.4	11

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19	Structural Characterizations of Palladium Clusters Prepared by Polyol Reduction of [PdCl ₄] ²⁻ Ions. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-6.	1.6	9
20	Primary cortical neurons on PMCS TiO ₂ films towards bio-hybrid memristive device: A morpho-functional study. Biophysical Chemistry, 2017, 229, 115-122.	2.8	9
21	PREPARING OF THE CHAMELEON COATING BY THE ION JET DEPOSITION METHOD. Acta Polytechnica CTU Proceedings, 0, 9, 19.	0.3	8
22	Platinum carbonyl clusters decomposition on defective graphene surface. Surface Science, 2020, 691, 121499.	1.9	8
23	Detection of Nitroaromatic Explosives in Air by Amino-Functionalized Carbon Nanotubes. Nanomaterials, 2022, 12, 1278.	4.1	8
24	SiC(1 0 0) ordered film growth by C ₆₀ decomposition on Si(1 0 0) surfaces. Applied Surface Science, 2001, 184, 50-54.	6.1	6
25	SiC film growth on Si(111) by supersonic beams of C ₆₀ . European Physical Journal B, 2002, 26, 509-514.	1.5	6
26	Excitonic recombination in superstoichiometric nanocrystalline TiO ₂ grown by cluster precursors at room temperature. Physical Chemistry Chemical Physics, 2012, 14, 5705.	2.8	6
27	Fullerene freejets-based synthesis of silicon carbide: heteroepitaxial growth on Si(111) at low temperatures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 101, 169-173.	3.5	5
28	The Interaction of C ₆₀ on Si(111) Studied by Supersonic Molecular Beams: Interplay between Precursor Kinetic Energy and Substrate Temperature in Surface Activated Processes. Frontiers in Materials, 2015, 2, .	2.4	5
29	Titanium-doped hydroxyapatites photoanodes for Dye-Sensitized Solar Cells. Ceramics International, 2021, 47, 9701-9710.	4.8	4
30	Doubling the Mechanical Properties of Spider Silk by C ₆₀ Supersonic Molecular Beam Epitaxy. Frontiers in Materials, 2020, 7, .	2.4	2
31	SiC Synthesis by Fullerene Free Jets on Si(111) at Low Temperatures. Materials Science Forum, 2003, 433-436, 237-240.	0.3	1
32	Deposition from Supersonic Beams (SuMBE): a Kinetic Approach for Controlling Thin Film Properties. AIP Conference Proceedings, 2005, , .	0.4	1
33	Emission Enhancement of SiC/SiO ₂ Core/Shell Nanowires Induced by the Oxide Shell. Materials Science Forum, 2012, 717-720, 557-560.	0.3	1
34	Synthesis of palladium clusters by reduction of K ₂ PdCl ₄ with ethylene glycol. , 2015, , .		1