

Alessandro Pistone

List of Publications by Year in descending order

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81
papers

3,483
citations

136740

32
h-index

143772

57
g-index

82
all docs

82
docs citations

82
times ranked

5365
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic combustion of volatile organic compounds on gold/cerium oxide catalysts. Applied Catalysis B: Environmental, 2003, 40, 43-49.	10.8	403
2	Al-doped ZnO for highly sensitive CO gas sensors. Sensors and Actuators B: Chemical, 2014, 196, 413-420.	4.0	325
3	Graphene quantum dots for cancer targeted drug delivery. International Journal of Pharmaceutics, 2017, 518, 185-192.	2.6	268
4	Selective hydrogenation of α,β -unsaturated ketones to α,β -unsaturated alcohols on gold-supported catalysts. Journal of Catalysis, 2004, 222, 348-356.	3.1	115
5	Graphene Quantum Dots Based Systems As HIV Inhibitors. Bioconjugate Chemistry, 2018, 29, 3084-3093.	1.8	111
6	Graphene quantum dots: multifunctional nanoplatforms for anticancer therapy. Journal of Materials Chemistry B, 2017, 5, 6471-6489.	2.9	101
7	Wet air oxidation of p-coumaric acid over promoted ceria catalysts. Applied Catalysis B: Environmental, 2002, 38, 321-329.	10.8	94
8	A Smart Nanovector for Cancer Targeted Drug Delivery Based on Graphene Quantum Dots. Nanomaterials, 2019, 9, 282.	1.9	83
9	Hybrid composites made of multiwalled carbon nanotubes functionalized with Fe ₃ O ₄ nanoparticles for tissue engineering applications. Nanotechnology, 2012, 23, 465102.	1.3	74
10	Effects of potassium addition on the acidity and reducibility of chromia/alumina dehydrogenation catalysts. Applied Catalysis A: General, 2003, 251, 255-266.	2.2	71
11	Selective one step synthesis of (R)-menthol from (+)-citronellal on Ru supported on modified SiO ₂ . Applied Catalysis A: General, 2000, 199, 239-244.	2.2	66
12	Mechanical Properties of Protective Coatings against Marine Fouling: A Review. Polymers, 2021, 13, 173.	2.0	62
13	Toxicological assessment of multi-walled carbon nanotubes on A549 human lung epithelial cells. Toxicology in Vitro, 2015, 29, 352-362.	1.1	60
14	The role of oxide location in HMF etherification with ethanol over sulfated ZrO ₂ supported on SBA-15. Journal of Catalysis, 2015, 323, 19-32.	3.1	59
15	Synthesis and anti-HIV activity of carboxylated and drug-conjugated multi-walled carbon nanotubes. Carbon, 2015, 82, 548-561.	5.4	55
16	A facile and ecofriendly functionalization of multiwalled carbon nanotubes by an old mesoionic compound. Chemical Communications, 2012, 48, 6836.	2.2	52
17	Gold catalysts for the liquid phase oxidation of o-hydroxybenzyl alcohol. Applied Catalysis A: General, 2001, 211, 251-257.	2.2	51
18	Morphological Modification of MWCNT Functionalized with HNO ₃ /H ₂ SO ₄ Mixtures. Journal of Nanoscience and Nanotechnology, 2012, 12, 5054-5060.	0.9	51

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19	Selective oxidation of CO in H ₂ -rich stream over Au/CeO ₂ and Cu/CeO ₂ catalysts: An insight on the effect of preparation method and catalyst pretreatment. <i>Applied Catalysis A: General</i> , 2012, 417-418, 66-75.	2.2	51
20	Recent Advances in Carbon Nanotubes as Delivery Systems for Anticancer Drugs. <i>Current Medicinal Chemistry</i> , 2013, 20, 1333-1354.	1.2	50
21	Ca-doped chromium oxide catalysts supported on alumina for the oxidative dehydrogenation of isobutane. <i>Applied Catalysis A: General</i> , 2004, 260, 75-86.	2.2	47
22	Large-scale production of high-quality multi-walled carbon nanotubes: Role of precursor gas and of Fe-catalyst support. <i>Diamond and Related Materials</i> , 2008, 17, 1482-1488.	1.8	45
23	Tunable doxorubicin release from polymer-gated multiwalled carbon nanotubes. <i>International Journal of Pharmaceutics</i> , 2016, 515, 30-36.	2.6	45
24	Removal of heavy metal ions from wastewaters using dendrimer-functionalized multi-walled carbon nanotubes. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14735-14747.	2.7	45
25	Activity of Gold Catalysts in the Liquid-Phase Oxidation of O-Hydroxybenzyl Alcohol. <i>Catalysis Letters</i> , 2003, 87, 201-209.	1.4	43
26	Hydroxyapatite-magnetite-MWCNT nanocomposite as a biocompatible multifunctional drug delivery system for bone tissue engineering. <i>Nanotechnology</i> , 2014, 25, 425701.	1.3	43
27	Thermal, Mechanical and Rheological Behaviors of Nanocomposites Based on UHMWPE/Paraffin Oil/Carbon Nanofiller Obtained by Using Different Dispersion Techniques. <i>Jom</i> , 2016, 68, 1078-1089.	0.9	43
28	Functionalization of multi-walled carbon nanotubes with coumarin derivatives and their biological evaluation. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1025-1031.	1.5	38
29	Engineering of Chitosan-Hydroxyapatite-Magnetite Hierarchical Scaffolds for Guided Bone Growth. <i>Materials</i> , 2019, 12, 2321.	1.3	37
30	In vitro assessment of neurotoxicity and neuroinflammation of homemade MWCNTs. <i>Environmental Toxicology and Pharmacology</i> , 2017, 56, 121-128.	2.0	36
31	Optimisation of gas mixture composition for the preparation of high quality MWCNT by catalytically assisted CVD. <i>Diamond and Related Materials</i> , 2007, 16, 1095-1100.	1.8	34
32	Isomerisation of (+)citronellal over Zn(II) supported catalysts. <i>Applied Catalysis A: General</i> , 2002, 233, 151-157.	2.2	32
33	Gold promoted Li ⁺ Fe ₂ O ₃ thin films for humidity sensors. <i>Sensors and Actuators B: Chemical</i> , 2003, 92, 326-330.	4.0	32
34	Effect of Ethyl Ester L-Lysine Triisocyanate addition to produce reactive PLA/PCL bio-polyester blends for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 68, 308-317.	1.5	32
35	Influence of Carbon Source and Fe-Catalyst Support on the Growth of Multi-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3815-3823.	0.9	31
36	Supported silver catalysts prepared by deposition in aqueous solution of Ag nanoparticles obtained through a photochemical approach. <i>Applied Catalysis A: General</i> , 2009, 367, 138-145.	2.2	30

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37	Structural and Optical Properties of Novel Surfactant Coated TiO ₂ @Ag Based Nanoparticles. <i>Journal of Cluster Science</i> , 2010, 21, 767-778.	1.7	30
38	β-Cyclodextrin-grafted on multiwalled carbon nanotubes as versatile nanoplatform for entrapment of guanine-based drugs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 264-270.	2.5	29
39	The role of the iron catalyst in the toxicity of multi-walled carbon nanotubes (MWCNTs). <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 43, 153-160.	1.5	29
40	Fe ₃ O ₄ @MWCNT/PhCOOH composites for ammonia resistive sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 333-342.	4.0	28
41	Current trends on turning biomass wastes into carbon materials for electrochemical sensing and rechargeable battery applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 26, 100374.	3.2	27
42	Photovoltaic properties of multi-walled carbon nanotubes deposited on n-doped silicon. <i>Microelectronics Journal</i> , 2008, 39, 1659-1662.	1.1	26
43	Structural and optical properties of novel surfactant-coated Yb@TiO ₂ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5833-5839.	0.8	26
44	Polyurethane Foams Loaded with Carbon Nanofibers for Oil Spill Recovery: Mechanical Properties under Fatigue Conditions and Selective Absorption in Oil/Water Mixtures. <i>Nanomaterials</i> , 2021, 11, 735.	1.9	26
45	Synthesis, identification and quantification of oligomers from polyester coatings for metal packaging. <i>Journal of Chromatography A</i> , 2018, 1578, 15-27.	1.8	25
46	Low-frequency Raman study of hollow multiwalled nanotubes grown by Fe-catalyzed chemical vapor deposition. <i>Journal of Applied Physics</i> , 2006, 100, 104311.	1.1	24
47	Catalytic wet air oxidation of p-coumaric acid on CeO ₂ , platinum and gold supported on CeO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2006, 68, 28-37.	10.8	23
48	Liquid phase photo-deposition in the presence of unmodified β-cyclodextrin: A new approach for the preparation of supported Pd catalysts. <i>Journal of Molecular Catalysis A</i> , 2012, 353-354, 87-94.	4.8	20
49	Effect of functional groups of multi-walled carbon nanotubes on the mechanical, thermal and electrical performance of epoxy resin based nanocomposites. <i>Journal of Composite Materials</i> , 2013, 47, 3091-3103.	1.2	19
50	Ammonia sensing properties of V-doped ZnO:Ca nanopowders prepared by sol-gel synthesis. <i>Journal of Solid State Chemistry</i> , 2015, 226, 192-200.	1.4	19
51	Mitochondrial Impairment Induced by Sub-Chronic Exposure to Multi-Walled Carbon Nanotubes. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 792.	1.2	19
52	Chitosan/PAMAM/Hydroxyapatite Engineered Drug Release Hydrogels with Tunable Rheological Properties. <i>Polymers</i> , 2020, 12, 754.	2.0	19
53	Synthesis and magnetic properties of multiwalled carbon nanotubes decorated with magnetite nanoparticles. <i>Physica B: Condensed Matter</i> , 2014, 435, 88-91.	1.3	18
54	Preparation of small size palladium nanoparticles by picosecond laser ablation and control of metal concentration in the colloid. <i>Journal of Colloid and Interface Science</i> , 2015, 442, 89-96.	5.0	18

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55	Polyester resin and carbon nanotubes based nanocomposite as new-generation coating to prevent biofilm formation. <i>International Journal of Polymer Analysis and Characterization</i> , 2016, 21, 327-336.	0.9	18
56	Functionalized polyhedral oligosilsesquioxane (POSS) based composites for bone tissue engineering: synthesis, computational and biological studies. <i>RSC Advances</i> , 2020, 10, 11325-11334.	1.7	18
57	Experiments on C nanotubes synthesis by Fe-assisted ethane decomposition. <i>Diamond and Related Materials</i> , 2008, 17, 318-324.	1.8	17
58	Tethering of Gly-Arg-Gly-Asp-Ser-Pro-Lys Peptides on Mg-Doped Hydroxyapatite. <i>Engineering</i> , 2017, 3, 55-59.	3.2	17
59	Calibration of reaction parameters for the improvement of thermal stability and crystalline quality of multi-walled carbon nanotubes. <i>Journal of Materials Science</i> , 2010, 45, 783-792.	1.7	16
60	One-pot synthesis of naturanol from α -pinene oxide on bifunctional heterogeneous catalysts. <i>Applied Catalysis A: General</i> , 2007, 325, 25-33.	2.2	15
61	Aid of Raman spectroscopy in diagnostics of MWCNT synthesised by Fe-catalysed CVD. <i>Journal of Physics: Conference Series</i> , 2007, 61, 931-935.	0.3	14
62	Mechanical and physical properties of epoxy resin based nanocomposites reinforced with polyamine functionalized carbon nanotubes. <i>Polymer Composites</i> , 2016, 37, 1007-1015.	2.3	14
63	Tripodal tris-disulfides as capping agents for a controlled mixed functionalization of gold nanoparticles. <i>New Journal of Chemistry</i> , 2018, 42, 16436-16440.	1.4	13
64	1,2,3-Triazole/MWCNT conjugates as filler for gelcoat nanocomposites: new active antibiofouling coatings for marine application. <i>Materials Research Express</i> , 2015, 2, 115001.	0.8	11
65	Preparation of nanotubes-clay hybrid systems by iron-catalyzed isobutane decomposition. <i>Diamond and Related Materials</i> , 2010, 19, 599-603.	1.8	9
66	Direct and sensitized liquid phase photodeposition for the preparation of alumina supported Pd nanoparticles for applications to heterogeneous catalysis. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3217-3228.	0.8	9
67	Hybrid ceramic/polymer composites for bone tissue regeneration. , 2017, , 125-155.		9
68	A New Approach for the Tribological and Mechanical Characterization of a Hip Prosthesis Through a Numerical Model Based on Artificial Intelligence Algorithms and Humanoid Multibody Model. <i>Lubricants</i> , 2022, 10, 160.	1.2	9
69	Multi-walled carbon nanotubes production by ethane decomposition over silica-supported iron-catalysts. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 2422-2427.	0.8	8
70	Study of Protective Layers Based on Crosslinked Glutaraldehyde/3-aminopropyltriethoxysilane. <i>Polymers</i> , 2022, 14, 801.	2.0	8
71	Influence of gas-mixture composition on yield, purity and morphology of carbon nanotubes grown by catalytic isobutane-decomposition. <i>Diamond and Related Materials</i> , 2009, 18, 360-363.	1.8	6
72	Synthesis and analysis of multi-walled carbon nanotubes/oxides hybrid materials for polymer composite applications. <i>Diamond and Related Materials</i> , 2011, 20, 532-537.	1.8	5

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73	Raman analysis of MWCNTs produced by catalytic CVD: derivation of a scaling law for the growth parameters. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 141-146.	1.2	4
74	STRANgE, integrated physical“biological”mechanical system for recovery in of the “oil spill”in Antarctic environment. <i>Reviews in Environmental Science and Biotechnology</i> , 2014, 13, 369-375.	3.9	4
75	How the Use of solvent affects the mechanical behavior of polyester resin/carbon nanotube nanocomposites. <i>Journal of Composite Materials</i> , 2017, 51, 1797-1806.	1.2	4
76	Graphene-based materials for application in pharmaceutical nanotechnology. , 2018, , 297-329.		4
77	Mechanical, Wear and Thermal Behavior of Polyethylene Blended with Graphite Treated in Ball Milling. <i>Polymers</i> , 2021, 13, 975.	2.0	4
78	Iron-catalyst performances in carbon nanotube growth by chemical vapour deposition. <i>EPJ Applied Physics</i> , 2008, 44, 171-180.	0.3	4
79	Scaling Laws for Multi-Walled Carbon Nanotube Growth by Catalyzed Chemical Vapor Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 1286-1295.	0.9	2
80	Coumarin-Conjugated Multiwalled Carbon Nanotubes for Potential Biological Applications: Development and Characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 5030-5038.	0.9	1
81	Yield And Quality Optimization For MWNT Prepared By Catalytic CVD. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0