Alessandro Pistone

List of Publications by Year
in descending order

81	3,483	136950 32	144013 57
papers	citations	h-index	g-index

82	82	82	5365
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of Protective Layers Based on Crosslinked Glutaraldehyde/3-aminopropyltriethoxysilane. Polymers, 2022, 14, 801.	4.5	8
2	A New Approach for the Tribological and Mechanical Characterization of a Hip Prosthesis Trough a Numerical Model Based on Artificial Intelligence Algorithms and Humanoid Multibody Model. Lubricants, 2022, 10, 160.	2.9	9
3	Polyurethane Foams Loaded with Carbon Nanofibers for Oil Spill Recovery: Mechanical Properties under Fatigue Conditions and Selective Absorption in Oil/Water Mixtures. Nanomaterials, 2021, 11, 735.	4.1	26
4	Mechanical, Wear and Thermal Behavior of Polyethylene Blended with Graphite Treated in Ball Milling. Polymers, 2021, 13, 975.	4.5	4
5	Mechanical Properties of Protective Coatings against Marine Fouling: A Review. Polymers, 2021, 13, 173.	4.5	62
6	Current trends on turning biomass wastes into carbon materials for electrochemical sensing and rechargeable battery applications. Current Opinion in Green and Sustainable Chemistry, 2020, 26, 100374.	5.9	27
7	Functionalized polyhedral oligosilsesquioxane (POSS) based composites for bone tissue engineering: synthesis, computational and biological studies. RSC Advances, 2020, 10, 11325-11334.	3.6	18
8	Chitosan/PAMAM/Hydroxyapatite Engineered Drug Release Hydrogels with Tunable Rheological Properties. Polymers, 2020, 12, 754.	4.5	19
9	Engineering of Chitosan-Hydroxyapatite-Magnetite Hierarchical Scaffolds for Guided Bone Growth. Materials, 2019, 12, 2321.	2.9	37
10	Mitochondrial Impairment Induced by Sub-Chronic Exposure to Multi-Walled Carbon Nanotubes. International Journal of Environmental Research and Public Health, 2019, 16, 792.	2.6	19
11	A Smart Nanovector for Cancer Targeted Drug Delivery Based on Graphene Quantum Dots. Nanomaterials, 2019, 9, 282.	4.1	83
12	Synthesis, identification and quantification of oligomers from polyester coatings for metal packaging. Journal of Chromatography A, 2018, 1578, 15-27.	3.7	25
13	Tripodal tris-disulfides as capping agents for a controlled mixed functionalization of gold nanoparticles. New Journal of Chemistry, 2018, 42, 16436-16440.	2.8	13
14	Graphene Quantum Dots Based Systems As HIV Inhibitors. Bioconjugate Chemistry, 2018, 29, 3084-3093.	3.6	111
15	Graphene-based materials for application in pharmaceutical nanotechnology. , 2018, , 297-329.		4
16	The role of the iron catalyst in the toxicity of multi-walled carbon nanotubes (MWCNTs). Journal of Trace Elements in Medicine and Biology, 2017, 43, 153-160.	3.0	29
17	Graphene quantum dots for cancer targeted drug delivery. International Journal of Pharmaceutics, 2017, 518, 185-192.	5.2	268
18	Effect of Ethyl Ester L-Lysine Triisocyanate addition to produce reactive PLA/PCL bio-polyester blends for biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 68, 308-317.	3.1	32

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19	Graphene quantum dots: multifunctional nanoplatforms for anticancer therapy. Journal of Materials Chemistry B, 2017, 5, 6471-6489.	5.8	101
20	Removal of heavy metal ions from wastewaters using dendrimer-functionalized multi-walled carbon nanotubes. Environmental Science and Pollution Research, 2017, 24, 14735-14747.	5.3	45
21	Tethering of Gly-Arg-Gly-Asp-Ser-Pro-Lys Peptides on Mg-Doped Hydroxyapatite. Engineering, 2017, 3, 55-59.	6.7	17
22	In vitro assessment of neurotoxicity and neuroinflammation of homemade MWCNTs. Environmental Toxicology and Pharmacology, 2017, 56, 121-128.	4.0	36
23	How the Use of solvent affects the mechanical behavior of polyester resin/carbon nanotube nanocomposites. Journal of Composite Materials, 2017, 51, 1797-1806.	2.4	4
24	Hybrid ceramic/polymer composites for bone tissue regeneration. , 2017, , 125-155.		9
25	Mechanical and physical properties of epoxy resin based nanocomposites reinforced with polyamine functionalized carbon nanotubes. Polymer Composites, 2016, 37, 1007-1015.	4.6	14
26	Tunable doxorubicin release from polymer-gated multiwalled carbon nanotubes. International Journal of Pharmaceutics, 2016, 515, 30-36.	5.2	45
27	Polyester resin and carbon nanotubes based nanocomposite as new-generation coating to prevent biofilm formation. International Journal of Polymer Analysis and Characterization, 2016, 21, 327-336.	1.9	18
28	Thermal, Mechanical and Rheological Behaviors of Nanocomposites Based on UHMWPE/Paraffin Oil/Carbon Nanofiller Obtained by Using Different Dispersion Techniques. Jom, 2016, 68, 1078-1089.	1.9	43
29	1,2,3-Triazole/MWCNT conjugates as filler for gelcoat nanocomposites: new active antibiofouling coatings for marine application. Materials Research Express, 2015, 2, 115001.	1.6	11
30	Toxicological assessment of multi-walled carbon nanotubes on A549 human lung epithelial cells. Toxicology in Vitro, 2015, 29, 352-362.	2.4	60
31	The role of oxide location in HMF etherification with ethanol over sulfated ZrO2 supported on SBA-15. Journal of Catalysis, 2015, 323, 19-32.	6.2	59
32	Ammonia sensing properties of V-doped ZnO:Ca nanopowders prepared by solâ€“gel synthesis. Journal of Solid State Chemistry, 2015, 226, 192-200.	2.9	19
33	Preparation of small size palladium nanoparticles by picosecond laser ablation and control of metal concentration in the colloid. Journal of Colloid and Interface Science, 2015, 442, 89-96.	9.4	18
34	Synthesis and anti-HIV activity of carboxylated and drug-conjugated multi-walled carbon nanotubes. Carbon, 2015, 82, 548-561.	10.3	55
35	Al-doped ZnO for highly sensitive CO gas sensors. Sensors and Actuators B: Chemical, 2014, 196, 413-420.	7.8	325
36	Synthesis and magnetic properties of multiwalled carbon nanotubes decorated with magnetite nanoparticles. Physica B: Condensed Matter, 2014, 435, 88-91.	2.7	18

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37	STRANgE, integrated physicalâ€“biologicalâ€“mechanical system for recovery in of the â€œoil spillâ€•in Antarctic environment. Reviews in Environmental Science and Biotechnology, 2014, 13, 369-375.	8.1	4
38	Î²-Cyclodextrin-grafted on multiwalled carbon nanotubes as versatile nanoplatform for entrapment of guanine-based drugs. Colloids and Surfaces B: Biointerfaces, 2014, 123, 264-270.	5.0	29
39	Hydroxyapatite-magnetite-MWCNT nanocomposite as a biocompatible multifunctional drug delivery system for bone tissue engineering. Nanotechnology, 2014, 25, 425701.	2.6	43
40	Fe3O4â€“MWCNTPhCOOH composites for ammonia resistive sensors. Sensors and Actuators B: Chemical, 2013, 186, 333-342.	7.8	28
41	Effect of functional groups of multi-walled carbon nanotubes on the mechanical, thermal and electrical performance of epoxy resin based nanocomposites. Journal of Composite Materials, 2013, 47, 3091-3103.	2.4	19
42	Recent Advances in Carbon Nanotubes as Delivery Systems for Anticancer Drugs. Current Medicinal Chemistry, 2013, 20, 1333-1354.	2.4	50
43	Morphological Modification of MWCNT Functionalized with HNO₃/H₂SO₄ Mixtures. Journal of Nanoscience and Nanotechnology, 2012, 12, 5054-5060.	0.9	51
44	Liquid phase photo-deposition in the presence of unmodified Î²-cyclodextrin: A new approach for the preparation of supported Pd catalysts. Journal of Molecular Catalysis A, 2012, 353-354, 87-94.	4.8	20
45	Coumarin-Conjugated Multiwalled Carbon Nanotubes for Potential Biological Applications: Development and Characterization. Journal of Nanoscience and Nanotechnology, 2012, 12, 5030-5038.	0.9	1
46	Hybrid composites made of multiwalled carbon nanotubes functionalized with Fe₃O₄nanoparticles for tissue engineering applications. Nanotechnology, 2012, 23, 465102.	2.6	74
47	Functionalization of multi-walled carbon nanotubes with coumarin derivatives and their biological evaluation. Organic and Biomolecular Chemistry, 2012, 10, 1025-1031.	2.8	38
48	A facile and ecofriendly functionalization of multiwalled carbon nanotubes by an old mesoionic compound. Chemical Communications, 2012, 48, 6836.	4.1	52
49	Selective oxidation of CO in H2-rich stream over Au/CeO2 and Cu/CeO2 catalysts: An insight on the effect of preparation method and catalyst pretreatment. Applied Catalysis A: General, 2012, 417-418, 66-75.	4.3	51
50	Synthesis and analysis of multi-walled carbon nanotubes/oxides hybrid materials for polymer composite applications. Diamond and Related Materials, 2011, 20, 532-537.	3.9	5
51	Structural and optical properties of novel surfactant-coated Yb@TiO2 nanoparticles. Journal of Nanoparticle Research, 2011, 13, 5833-5839.	1.9	26
52	Direct and sensitized liquid phase photodeposition for the preparation of alumina supported Pd nanoparticles for applications to heterogeneous catalysis. Journal of Nanoparticle Research, 2011, 13, 3217-3228.	1.9	9
53	Scaling Laws for Multi-Walled Carbon Nanotube Growth by Catalyzed Chemical Vapor Deposition. Journal of Nanoscience and Nanotechnology, 2010, 10, 1286-1295.	0.9	2
54	Structural and Optical Properties of Novel Surfactant Coated TiO2â€“Ag Based Nanoparticles. Journal of Cluster Science, 2010, 21, 767-778.	3.3	30

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55	Calibration of reaction parameters for the improvement of thermal stability and crystalline quality of multi-walled carbon nanotubes. Journal of Materials Science, 2010, 45, 783-792.	3.7	16
56	Preparation of nanotubes-clay hybrid systems by iron-catalyzed isobutane decomposition. Diamond and Related Materials, 2010, 19, 599-603.	3.9	9
57	Supported silver catalysts prepared by deposition in aqueous solution of Ag nanoparticles obtained through a photochemical approach. Applied Catalysis A: General, 2009, 367, 138-145.	4.3	30
58	Influence of gas-mixture composition on yield, purity and morphology of carbon nanotubes grown by catalytic isobutane-decomposition. Diamond and Related Materials, 2009, 18, 360-363.	3.9	6
59	Influence of Carbon Source and Fe-Catalyst Support on the Growth of Multi-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 3815-3823.	0.9	31
60	Multiâ€walled carbon nanotubes production by ethane decomposition over silicaâ€supported ironâ€catalysts. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2422-2427.	1.8	8
61	Raman analysis of MWCNTs produced by catalytic CVD: derivation of a scaling law for the growth parameters. Journal of Raman Spectroscopy, 2008, 39, 141-146.	2.5	4
62	Photovoltaic properties of multi-walled carbon nanotubes deposited on n-doped silicon. Microelectronics Journal, 2008, 39, 1659-1662.	2.0	26
63	Experiments on C nanotubes synthesis by Fe-assisted ethane decomposition. Diamond and Related Materials, 2008, 17, 318-324.	3.9	17
64	Large-scale production of high-quality multi-walled carbon nanotubes: Role of precursor gas and of Fe-catalyst support. Diamond and Related Materials, 2008, 17, 1482-1488.	3.9	45
65	Iron-catalyst performances in carbon nanotube growth by chemical vapour deposition. EPJ Applied Physics, 2008, 44, 171-180.	0.7	4
66	Aid of Raman spectroscopy in diagnostics of MWCNT synthesised by Fe-catalysed CVD. Journal of Physics: Conference Series, 2007, 61, 931-935.	0.4	14
67	Optimisation of gas mixture composition for the preparation of high quality MWCNT by catalytically assisted CVD. Diamond and Related Materials, 2007, 16, 1095-1100.	3.9	34
68	Yield And Quality Optimization For MWNT Prepared By Catalytic CVD. AIP Conference Proceedings, 2007, , .	0.4	0
69	One-pot synthesis of naturanol from Î±-pinene oxide on bifunctional heterogeneous catalysts. Applied Catalysis A: General, 2007, 325, 25-33.	4.3	15
70	Catalytic wet air oxidation of p-coumaric acid on CeO2, platinum and gold supported on CeO2 catalysts. Applied Catalysis B: Environmental, 2006, 68, 28-37.	20.2	23
71	Low-frequency Raman study of hollow multiwalled nanotubes grown by Fe-catalyzed chemical vapor deposition. Journal of Applied Physics, 2006, 100, 104311.	2.5	24
72	Selective hydrogenation of Î±,Î²-unsaturated ketones to Î±,Î²-unsaturated alcohols on gold-supported catalysts. Journal of Catalysis, 2004, 222, 348-356.	6.2	115

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73	Ca-doped chromium oxide catalysts supported on alumina for the oxidative dehydrogenation of isobutane. Applied Catalysis A: General, 2004, 260, 75-86.	4.3	47
74	Activity of Gold Catalysts in the Liquid-Phase Oxidation of O-Hydroxybenzyl Alcohol. Catalysis Letters, 2003, 87, 201-209.	2.6	43
75	Catalytic combustion of volatile organic compounds on gold/cerium oxide catalysts. Applied Catalysis B: Environmental, 2003, 40, 43-49.	20.2	403
76	Gold promoted Liâ€“Fe2O3 thin films for humidity sensors. Sensors and Actuators B: Chemical, 2003, 92, 326-330.	7.8	32
77	Effects of potassium addition on the acidity and reducibility of chromia/alumina dehydrogenation catalysts. Applied Catalysis A: General, 2003, 251, 255-266.	4.3	71
78	Wet air oxidation of p-coumaric acid over promoted ceria catalysts. Applied Catalysis B: Environmental, 2002, 38, 321-329.	20.2	94
79	Isomerisation of (+)citronellal over Zn(II) supported catalysts. Applied Catalysis A: General, 2002, 233, 151-157.	4.3	32
80	Gold catalysts for the liquid phase oxidation of o-hydroxybenzyl alcohol. Applied Catalysis A: General, 2001, 211, 251-257.	4.3	51
81	Selective one step synthesis of (âˆ')menthol from (+)citronellal on Ru supported on modified SiO2. Applied Catalysis A: General, 2000, 199, 239-244.	4.3	66