

# Paolo Ciambelli

## List of Publications by Year in descending order

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63  
papers

3,293  
citations

101543

36  
h-index

144013

57  
g-index

65  
all docs

65  
docs citations

65  
times ranked

4182  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Wet Chemistry Approach for the Synthesis of Hybrid 2D Free-Floating Single or Multilayer Nanosheets of MS <sub>2</sub> @oleylamine (M=Mo, W). Chemistry of Materials, 2011, 23, 3879-3885.	6.7	293
2	Shape and Volume of Cavities in Thermoplastic Molecular Sieves Based on Syndiotactic Polystyrene. Chemistry of Materials, 2001, 13, 1506-1511.	6.7	174
3	AMnO <sub>3</sub> (A=La, Nd, Sm) and Sm <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> perovskites as combustion catalysts: structural, redox and catalytic properties. Applied Catalysis B: Environmental, 2000, 24, 243-253.	20.2	169
4	Perovskite-Type Oxides. Journal of Solid State Chemistry, 1999, 146, 176-183.	2.9	166
5	Influence of the polymer structure and nanotube concentration on the conductivity and rheological properties of polyethylene/CNT composites. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2440-2445.	2.7	141
6	Photocatalytic removal of patent blue V dye on Au-TiO <sub>2</sub> and Pt-TiO <sub>2</sub> catalysts. Applied Catalysis B: Environmental, 2016, 188, 134-146.	20.2	130
7	Incorporation of carbon nanotubes into polyethylene by high energy ball milling: Morphology and physical properties. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 597-606.	2.1	127
8	CeO <sub>2</sub> -supported Pt/Ni catalyst for the renewable and clean H <sub>2</sub> production via ethanol steam reforming. Applied Catalysis B: Environmental, 2014, 145, 73-84.	20.2	123
9	Photocatalytic Degradation of Organic Dyes under Visible Light on N-Doped TiO <sub>2</sub> Nanotubes. International Journal of Photoenergy, 2012, 2012, 1-8.	2.5	101
10	Graphene Oxide Nanosheets as Effective Friction Modifier for Oil Lubricant: Materials, Methods, and Tribological Results. ISRN Tribology, 2013, 2013, 1-9.	0.4	101
11	Effects of Graphene Nanoplatelets and Multiwall Carbon Nanotubes on the Structure and Mechanical Properties of Poly(lactic acid) Composites: A Comparative Study. Applied Sciences (Switzerland), 2019, 9, 469.	2.5	90
12	N-doped TiO <sub>2</sub> /PS aerogels for photocatalytic degradation of organic dyes in wastewater under visible light irradiation. Journal of Chemical Technology and Biotechnology, 2014, 89, 1175-1181.	3.2	89
13	Catalytic DPF microwave assisted active regeneration. Fuel, 2015, 140, 50-61.	6.4	89
14	Catalytic combustion of carbon particulate. Catalysis Today, 1996, 27, 99-106.	4.4	69
15	Comparison of ceramic honeycomb monolith and foam as Ni catalyst carrier for methane autothermal reforming. Catalysis Today, 2010, 155, 92-100.	4.4	68
16	Graphene-based structural adhesive to enhance adhesion performance. RSC Advances, 2015, 5, 27874-27886.	3.6	67
17	The catalytic activity of CuOx/ZrO <sub>2</sub> for the abatement of NO with propene or ammonia in the presence of O <sub>2</sub> . Applied Catalysis B: Environmental, 1999, 21, 141-150.	20.2	63
18	Numerical simulation of different HGV fire scenarios in curved bi-directional road tunnels and safety evaluation. Tunnelling and Underground Space Technology, 2012, 31, 33-50.	6.2	61

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19	On the activity of bimetallic catalysts for ethanol steam reforming. International Journal of Hydrogen Energy, 2013, 38, 6633-6645.	7.1	60
20	The catalytic activity of CuSO <sub>4</sub> /ZrO <sub>2</sub> for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> in the presence of excess O <sub>2</sub> . Applied Catalysis B: Environmental, 2002, 36, 217-230.	20.2	57
21	Structured catalysts for photo-Fenton oxidation of acetic acid. Catalysis Today, 2011, 161, 255-259.	4.4	57
22	Oxidative dehydrogenation of propane over vanadium and niobium oxides supported catalysts. Applied Catalysis A: General, 1999, 184, 291-301.	4.3	56
23	Oil Lubricant Tribological Behaviour Improvement Through Dispersion of Few Layer Graphene Oxide. Journal of Nanoscience and Nanotechnology, 2014, 14, 4960-4968.	0.9	54
24	Polymorphism and Thermal Behaviour of Syndiotactic Poly(propylene)/Carbon Nanotube Composites. Macromolecular Rapid Communications, 2004, 25, 1963-1967.	3.9	51
25	New "chimie douce"™ approach to the synthesis of hybrid nanosheets of MoS <sub>2</sub> on CNT and their anti-friction and anti-wear properties. Nanotechnology, 2013, 24, 125601.	2.6	51
26	Effect of Oxidation on the Microstructure of Carbon Blacks. Energy & Fuels, 1996, 10, 254-259.	5.1	47
27	Process intensification in the removal of organic pollutants from wastewater using innovative photocatalysts obtained coupling Zinc Sulfide based phosphors with nitrogen doped semiconductors. Journal of Cleaner Production, 2015, 100, 208-211.	9.3	47
28	Nanosheets of MoS <sub>2</sub> -oleylamine as hybrid filler for self-lubricating polymer composites: Thermal, tribological, and mechanical properties. Polymer Composites, 2015, 36, 1124-1134.	4.6	45
29	Heterogeneous photocatalytic oxidation of methyl ethyl ketone under UV-A light in an LED-fluidized bed reactor. Catalysis Today, 2014, 230, 79-84.	4.4	43
30	Simulation of fire scenarios due to different vehicle types with and without traffic in a bi-directional road tunnel. Tunnelling and Underground Space Technology, 2013, 37, 22-36.	6.2	41
31	Carbon nanotube induced structural and physical property transitions of syndiotactic polypropylene. Nanotechnology, 2007, 18, 275703.	2.6	39
32	Fluidized-Bed Reactor for the Intensification of Gas-Phase Photocatalytic Oxidative Dehydrogenation of Cyclohexane. Industrial & Engineering Chemistry Research, 2010, 49, 10279-10286.	3.7	39
33	Influence of the Photoreactor Configuration and of Different Light Sources in the Photocatalytic Treatment of Highly Polluted Wastewater. International Journal of Chemical Reactor Engineering, 2014, 12, 63-75.	1.1	39
34	Vanadium oxide catalysts supported on laser-synthesized titania powders: Characterization and catalytic activity in the selective reduction of nitric oxide. Applied Catalysis B: Environmental, 1992, 1, 61-77.	20.2	38
35	Reaction mechanism of cyclohexane selective photo-oxidation to benzene on molybdena/titania catalysts. Applied Catalysis A: General, 2008, 349, 140-147.	4.3	38
36	Formation of Cellulose Acetate-Graphene Oxide Nanocomposites by Supercritical CO <sub>2</sub> Assisted Phase Inversion. Industrial & Engineering Chemistry Research, 2015, 54, 8147-8156.	3.7	38

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37	Study of the catalyst load for a microwave susceptible catalytic DPF. <i>Catalysis Today</i> , 2013, 216, 185-193.	4.4	35
38	In situ sulphated CuOx/ZrO2 and CuOx/sulphated-ZrO2 as catalysts for the reduction of NOx with NH3 in the presence of excess O2. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 83-92.	20.2	34
39	Physico-chemical study of selective catalytic reduction vanadia-titania catalysts prepared by the equilibrium adsorption method. <i>Applied Catalysis B: Environmental</i> , 1995, 7, 1-18.	20.2	33
40	Screening of catalysts for H2S abatement from biogas to feed molten carbonate fuel cells. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 328-335.	7.1	33
41	Synthesis of Ordered Layers of Monodisperse CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles for Catalyzed Growth of Carbon Nanotubes on Silicon Substrate. <i>Chemistry of Materials</i> , 2009, 21, 4851-4858.	6.7	31
42	Influence of the electrical field applied during thermal cycling on the conductivity of LLDPE/CNT composites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 37, 66-71.	2.7	26
43	Modelling and numerical simulation of pedestrian flow evacuation from a multi-storey historical building in the event of fire applying safety engineering tools. <i>Journal of Cultural Heritage</i> , 2020, 41, 188-199.	3.3	22
44	Methane auto-thermal reforming on honeycomb and foam structured catalysts: The role of the support on system performances. <i>Catalysis Today</i> , 2013, 216, 30-37.	4.4	18
45	Investigation of the Deactivation Phenomena Occurring in the Cyclohexane Photocatalytic Oxidative Dehydrogenation on MoOx/TiO2 through Gas Phase and in situ DRIFTS Analyses. <i>Catalysts</i> , 2013, 3, 978-997.	3.5	13
46	Computational analysis of fire and people evacuation for different positions of burning vehicles in a road tunnel with emergency exits. <i>Cogent Engineering</i> , 2018, 5, 1530834.	2.2	11
47	Evaluation of N719 amount in TiO2 films for DSSC by thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 453-458.	3.6	10
48	Conductive Adhesive Based on Mussel-Inspired Graphene Decoration with Silver Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1176-1185.	0.9	10
49	Visible light driven mineralization of spiramycin over photostructured N-doped TiO <sub>2</sub> on up conversion phosphors. <i>Journal of Environmental Sciences</i> , 2017, 54, 268-276.	6.1	9
50	Performances analysis of a compact kW-scale ATR reactor for distributed H2 production. <i>Clean Technologies and Environmental Policy</i> , 2013, 15, 63-71.	4.1	7
51	Photocatalytic properties of TiO2-functionalized tiles: influence of ceramic substrate. <i>Research on Chemical Intermediates</i> , 2015, 41, 7995-8007.	2.7	7
52	Influence of the catalyst-nanotube spacing on the synthesis of polymer-functionalized multiwalled carbon nanotubes by "grafting from" approach. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	6
53	Preliminary investigation of polystyrene/MoS <sub>2</sub> -Oleylamine polymer composite for potential application as low-dielectric material in microelectronics. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	5
54	Nano-TiO <sub>2</sub> Coating Layers with Improved Anticorrosive Properties by Aerosol Flame Synthesis and Thermophoretic Deposition on Aluminium Surfaces. <i>Materials</i> , 2021, 14, 2918.	2.9	5

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55	Polystyrene/MoS <sub>2</sub> @oleylamine nanocomposites. , 2014, , .		4
56	Development and characterization of graphene-enhanced thermal conductive adhesives. , 2014, , .		4
57	Oxidative Dehydrogenation of Ethanol over Au/TiO <sub>2</sub> Photocatalysts. Journal of Advanced Oxidation Technologies, 2012, 15, .	0.5	3
58	Thermal Radiation Modelling in Tunnel Fires. Advances in Applied Mathematics and Mechanics, 2011, 3, 327-353.	1.2	2
59	Functionalization of Ceramic Tiles with N-doped TiO <sub>2</sub> and Their Photocatalytic Function Under UV or Visible Light Irradiation. Journal of Advanced Oxidation Technologies, 2014, 17, .	0.5	1
60	Silver Decorated Graphene-Polyvinyl Alcohol Hybrid Hydrogel as Catalyst for Benzonitrile Conversion. Advanced Science Letters, 2017, 23, 5980-5983.	0.2	1
61	Photocatalytic Removal of NO on Sulphated TiO <sub>2</sub> in a Photocatalytic Fluidized Bed Reactor. Advanced Science Letters, 2017, 23, 5886-5888.	0.2	0
62	Conductive Luminescent Material Based on Polymer-Functionalized Graphene Composite. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100492.	1.8	0
63	Development and characterization of graphene-enhanced thermal conductive adhesives. , 2014, , .		0