Marco Armandi

List of Publications by Year in descending order

52 papers	1,451 citations	279798 23 h-index	330143 37 g-index
52 all docs	52 docs citations	52 times ranked	2084 citing authors

#	Article	IF	Citations
1	Mixed 1Tâ€“2H Phase MoS₂/Reduced Graphene Oxide as Active Electrode for Enhanced Supercapacitive Performance. ACS Applied Materials & Interfaces, 2016, 8, 32842-32852.	8.0	132
2	Fe-N/C catalysts for oxygen reduction reaction supported on different carbonaceous materials. Performance in acidic and alkaline direct alcohol fuel cells. Applied Catalysis B: Environmental, 2017, 205, 637-653.	20.2	115
3	Synthesis and characterization of hybrid organic/inorganic nanotubes of the imogolite type and their behaviour towards methane adsorption. Physical Chemistry Chemical Physics, 2011, 13, 744-750.	2.8	102
4	Pure and Fe-doped CeO2 nanoparticles obtained by microwave assisted combustion synthesis: Physico-chemical properties ruling their catalytic activity towards CO oxidation and soot combustion. Applied Catalysis B: Environmental, 2017, 211, 31-45.	20.2	73
5	Influence of different transition metals on the properties of Meâ€“Nâ€“C (MeÂ=ÂFe, Co, Cu, Zn) catalysts synthesized using SBA-15 as tubular nano-silica reactor for oxygen reduction reaction. International Journal of Hydrogen Energy, 2016, 41, 22570-22588.	7.1	67
6	Varying the morphology of Fe-N-C electrocatalysts by templating Iron Phthalocyanine precursor with different porous SiO 2 to promote the Oxygen Reduction Reaction. Electrochimica Acta, 2015, 177, 43-50.	5.2	51
7	An easy approach for the fabrication of TiO2 nanotube-based transparent photoanodes for Dye-sensitized Solar Cells. Solar Energy, 2013, 95, 90-98.	6.1	45
8	Vanadium-containing SBA-15 systems prepared by direct synthesis: Physico-chemical and catalytic properties in the decomposition of dichloromethane. Microporous and Mesoporous Materials, 2010, 133, 36-44.	4.4	44
9	Photo-activated degradation of tartrazine by H 2 O 2 as catalyzed by both bare and Fe-doped methyl-imogolite nanotubes. Catalysis Today, 2018, 304, 199-207.	4.4	38
10	Comprehensive study on the effect of magnesium loading over nickel-ordered mesoporous alumina for dry reforming of methane. Energy Conversion and Management, 2020, 225, 113470.	9.2	38
11	Effects of using two transition metals in the synthesis of non-noble electrocatalysts for oxygen reduction reaction in direct methanol fuelÂcell. Electrochimica Acta, 2018, 266, 220-232.	5.2	37
12	Effect of vanadium dispersion and of support properties on the catalytic activity of V-containing silicas. Catalysis Today, 2012, 179, 140-148.	4.4	35
13	Effect of post-synthesis treatment on the stability and surface properties of MCM-48 silica. Microporous and Mesoporous Materials, 2005, 83, 172-180.	4.4	34
14	CO₂ Adsorption on Aluminosilicate Single-Walled Nanotubes of Imogolite Type. Journal of Physical Chemistry C, 2012, 116, 20417-20425.	3.1	33
15	Surface properties of alumino-silicate single-walled nanotubes of the imogolite type. Physical Chemistry Chemical Physics, 2013, 15, 13381.	2.8	32
16	Spin-Coated vs. Electrodeposited Mn Oxide Films as Water Oxidation Catalysts. Materials, 2016, 9, 296.	2.9	31
17	Thermodynamics of Carbon Dioxide Adsorption on the Protonic Zeolite Hâ€ZSMâ€5. ChemPhysChem, 2009, 10, 3316-3319.	2.1	28
18	Effect of vanadium dispersion and support properties on the catalytic activity of V-SBA-15 and V-MCF mesoporous materials prepared by direct synthesis. Catalysis Today, 2011, 176, 458-464.	4.4	27

#	Article	IF	Citations
19	Novel vanadium-containing mesocellular foams (V-MCF) obtained by direct synthesis. Microporous and Mesoporous Materials, 2011, 142, 45-54.	4.4	27
20	Fe- and V-doped mesoporous titania prepared by direct synthesis: Characterization and role in the oxidation of AO7 by H2O2 in the dark. Catalysis Today, 2014, 227, 71-79.	4.4	27
21	Visible-Light Driven Oxidation of Water as Catalyzed by Co-APO-5 in the Presence of Ru Sensitizer. ACS Catalysis, 2013, 3, 1272-1278.	11.2	25
22	Composite Cu-SSZ-13 and CeO2-SnO2 for enhanced NH3-SCR resistance towards hydrocarbon deactivation. Applied Catalysis B: Environmental, 2021, 282, 119536.	20.2	25
23	An IR spectroscopy assessment of the surface acidity of mesoporous VO â€“SiO2 catalysts. Microporous and Mesoporous Materials, 2012, 164, 111-119.	4.4	24
24	Reactivity of bare and Fe-doped alumino-silicate nanotubes (imogolite) with H2O2 and the azo-dye Acid Orange 7. Catalysis Today, 2016, 277, 89-96.	4.4	24
25	Photocatalytic Processes for the Abatement of N-Containing Pollutants from Waste Water. Part 1: Inorganic Pollutants. Journal of Nanoscience and Nanotechnology, 2017, 17, 3632-3653.	0.9	23
26	Catalytic and Photocatalytic Processes for the Abatement of N-Containing Pollutants from Wastewater. Part 2: Organic Pollutants. Journal of Nanoscience and Nanotechnology, 2017, 17, 3654-3672.	0.9	23
27	A new method for studying activity and reaction kinetics of photocatalytic water oxidation systems using a bubbling reactor. Chemical Engineering Journal, 2014, 238, 17-26.	12.7	21
28	Application of Reverse Micelle Solâ€“Gel Synthesis for Bulk Doping and Heteroatoms Surface Enrichment in Mo-Doped TiO2 Nanoparticles. Materials, 2019, 12, 937.	2.9	21
29	A Facile and Green Synthesis of a MoO2-Reduced Graphene Oxide Aerogel for Energy Storage Devices. Materials, 2020, 13, 594.	2.9	20
30	Thermal Collapse of Single-Walled Alumino-Silicate Nanotubes: Transformation Mechanisms and Morphology of the Resulting Lamellar Phases. Journal of Physical Chemistry C, 2012, 116, 23577-23584.	3.1	19
31	Simultaneous improvement of ammonia mediated NOx SCR and soot oxidation for enhanced SCR-on-Filter application. Applied Catalysis A: General, 2020, 596, 117538.	4.3	19
32	Tragacanth Gum as Green Binder for Sustainable Waterâ€Processable Electrochemical Capacitor. ChemSusChem, 2021, 14, 356-362.	6.8	18
33	CoAPO5 as a water oxidation catalyst and a light sensitizer. Chemical Communications, 2012, 48, 5754.	4.1	17
34	Effect of surface area on the rate of photocatalytic water oxidation as promoted by different manganese oxides. Chemical Engineering Journal, 2015, 278, 36-45.	12.7	15
35	Variableâ€Temperature Infrared Spectroscopy Studies on the Thermodynamics of CO Adsorption on the Zeolite Caâ€“Y. ChemPhysChem, 2008, 9, 1747-1751.	2.1	14
36	Hybrid organic-inorganic nanotubes effectively adsorb some organic pollutants in aqueous phase. Applied Clay Science, 2020, 186, 105449.	5.2	14

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37	A simple model for a complex system: Kinetics of water oxidation with the [Ru(bpy) 3] 2+ /S 2 O 8 2â^' photosystem as catalyzed by Mn 2 O 3 under different illumination conditions. Chemical Engineering Journal, 2017, 311, 143-152.	12.7	13
38	Beneficial effect of Fe addition on the catalytic activity of electrodeposited MnOx films in the water oxidation reaction. Electrochimica Acta, 2018, 284, 294-302.	5.2	13
39	Ammoniaâ€Solvated Ammonium Species in the NH₄â€ZSMâ€5 Zeolite. ChemPhysChem, 2010, 11, 3255-3261.	2.1	12
40	IR spectroscopic study of the acidic properties of alumino-silicate single-walled nanotubes of the imogolite type. Catalysis Today, 2013, 218-219, 3-9.	4.4	11
41	Photoreduction of nitrates from waste and drinking water. Materials Today: Proceedings, 2018, 5, 17404-17413.	1.8	11
42	Effects of the Brookite Phase on the Properties of Different Nanostructured TiO₂ Phases Photocatalytically Active Towards the Degradation of Nâ€Phenylurea. ChemistryOpen, 2020, 9, 903-912.	1.9	11
43	Graphenic Aerogels Decorated with Ag Nanoparticles as 3D SERS Substrates for Biosensing. Particle and Particle Systems Characterization, 2020, 37, 2000095.	2.3	9
44	Nanoparticles of CoAPO-5: synthesis and comparison with microcrystalline samples. Physical Chemistry Chemical Physics, 2015, 17, 10774-10780.	2.8	8
45	Effect of the preparation technique of Cu-ZSM-5 catalysts on the isothermal oscillatory behavior of nitrous oxide decomposition. Catalysis Today, 2020, 345, 59-70.	4.4	8
46	The behaviour of an old catalyst revisited in a wet environment: Co ions in APO-5 split water under mild conditions. Physical Chemistry Chemical Physics, 2014, 16, 7074-7082.	2.8	7
47	Modes of Interaction of Simazine with the Surface of Amorphous Silica in Water. Part II: Adsorption at Temperatures Higher than Ambient. Journal of Physical Chemistry C, 2013, 117, 27047-27051.	3.1	6
48	Testing Novel Water Oxidation Catalysts for Solar Fuels Production. PoliTO Springer Series, 2019, , .	0.5	3
49	Synthesis and Characterization of Fe-doped Aluminosilicate Nanotubes with Enhanced Electron Conductive Properties. Journal of Visualized Experiments, 2016, , .	0.3	1
50	Electrochemical Measurements as Screening Method for Water Oxidation Catalyst. PoliTO Springer Series, 2019, , 75-91.	0.5	0
51	Sacrificial Oxidants as a Means to Study the Catalytic Activity of Water Oxidation Catalysts. PoliTO Springer Series, 2019, , 29-47.	0.5	0
52	Use of the Bubbling Reactor with the $${mathbf{Ru(bpy)}}_{mathbf{3}}^{mathbf{2+}} {mathbf{/S}}_{mathbf{2}} {mathbf{O}}_{mathbf{8}} ^{mathbf{2 - }}$$ Photosystem for Measuring the Rate of Water Oxidation as Promoted by Different Manganese Oxides. PoliTO Springer Series, 2019, , 49-74.	0.5	0