Alessandro Di Mauro

List of Publications by Year
in descending order

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37	1,449	394286	330025
papers	citations	19 h-index	37 g-index

38	38	38	2135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Suitability of Different Titanium Dioxide Nanotube Morphologies for Photocatalytic Water Treatment. Nanomaterials, 2021, 11, 708.	1.9	15
2	Innovative Polymeric Hybrid Nanocomposites for Application in Photocatalysis. Polymers, 2021, 13, 1184.	2.0	7
3	Preferential removal of pesticides from water by molecular imprinting on TiO2 photocatalysts. Chemical Engineering Journal, 2020, 379, 122309.	6.6	124
4	Ag/ZnO/PMMA Nanocomposites for Efficient Water Reuse. ACS Applied Bio Materials, 2020, 3, 4417-4426.	2.3	33
5	Synthesis of ZnO/PMMA nanocomposite by low-temperature atomic layer deposition for possible photocatalysis applications. Materials Science in Semiconductor Processing, 2020, 118, 105214.	1.9	33
6	Molecularly imprinted N-doped TiO2 photocatalysts for the selective degradation of o-phenylphenol fungicide from water. Materials Science in Semiconductor Processing, 2020, 112, 105019.	1.9	54
7	Surface modification by vanadium pentoxide turns oxide nanocrystals into powerful adsorbents of methylene blue. Journal of Colloid and Interface Science, 2019, 533, 369-374.	5.0	13
8	Mechanical milling: a sustainable route to induce structural transformations in MoS2 for applications in the treatment of contaminated water. Scientific Reports, 2019, 9, 974.	1.6	26
9	Selective photodegradation of 2,4-D pesticide from water by molecularly imprinted TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 380, 111872.	2.0	40
10	ZnOâ€“pHEMA Nanocomposites: An Ecofriendly and Reusable Material for Water Remediation. ACS Applied Materials & Interfaces, 2018, 10, 40100-40110.	4.0	47
11	Selective photodegradation of paracetamol by molecularly imprinted ZnO nanonuts. Applied Catalysis B: Environmental, 2018, 238, 509-517.	10.8	84
12	Novel synthesis of ZnO/PMMA nanocomposites for photocatalytic applications. Scientific Reports, 2017, 7, 40895.	1.6	130
13	ZnO for application in photocatalysis: From thin films to nanostructures. Materials Science in Semiconductor Processing, 2017, 69, 44-51.	1.9	244
14	ZnO nanorods grown on ultrathin ZnO seed layers: Application in water treatment. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 497-504.	2.0	21
15	Low temperature atomic layer deposition of ZnO: Applications in photocatalysis. Applied Catalysis B: Environmental, 2016, 196, 68-76.	10.8	98
16	Vortexes tune the chirality of graphene oxide and its non-covalent hosts. Chemical Communications, 2016, 52, 13094-13096.	2.2	16
17	A forest of SiO₂ nanowires covered by a TiO₂ thin film for an efficient photocatalytic water treatment. RSC Advances, 2016, 6, 91121-91126.	1.7	13
18	Atomic layer deposition of ZnO/TiO₂ multilayers: towards the understanding of Ti-doping in ZnO thin films. RSC Advances, 2016, 6, 88886-88895.	1.7	16

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19	Rapid synthesis of photoactive hydrogenated TiO2 nanoplumes. Applied Catalysis B: Environmental, 2016, 183, 328-334.	10.8	31
20	Photocatalytic and antibacterial properties of titanium dioxide flat film. Materials Science in Semiconductor Processing, 2016, 42, 32-35.	1.9	32
21	Synthesis of ZnO nanofibers by the electrospinning process. Materials Science in Semiconductor Processing, 2016, 42, 98-101.	1.9	53
22	Effect of Pt Nanoparticles on the Photocatalytic Activity of ZnO Nanofibers. Nanoscale Research Letters, 2015, 10, 484.	3.1	50
23	Enhanced Quality, Growth Kinetics, and Photocatalysis of ZnO Nanowalls Prepared by Chemical Bath Deposition. Crystal Growth and Design, 2015, 15, 4206-4212.	1.4	30
24	Hierarchical Effect behind the Supramolecular Chirality of Silver(I)â€“Cysteine Coordination Polymers. Journal of Physical Chemistry B, 2015, 119, 4898-4904.	1.2	28
25	Electrospun SiO2 â€œnecklacesâ€•on unglazed ceramic tiles: a planarizing strategy. Superlattices and Microstructures, 2015, 81, 265-271.	1.4	4
26	Spontaneous deposition of polylysine on surfaces: Role of the secondary structure to optimize noncovalent coating strategies. Journal of Colloid and Interface Science, 2015, 437, 270-276.	5.0	10
27	Tetra-anionic porphyrin loading onto ZnO nanoneedles: A hybrid covalent/non covalent approach. Materials Chemistry and Physics, 2014, 143, 977-982.	2.0	6
28	Solvophobic versus Electrostatic Interactions Drive Spontaneous Adsorption of Porphyrins onto Inorganic Surfaces: A Full Noncovalent Approach. Journal of Physical Chemistry C, 2013, 117, 17659-17665.	1.5	13
29	Multistep Anchoring Route of Luminescent (5-Amino-1,10-phenanthroline)tris(dibenzoylmethane)europium(III) on Si(100). European Journal of Inorganic Chemistry, 2010, 2010, 4121-4129.	1.0	17
30	Controlled large-scale fabrication of sea sponge-like ZnO nanoarchitectures on textured silicon. CrystEngComm, 2009, 11, 2770.	1.3	12
31	In situ synthesis of photoluminescent films of PVC, doped with Ce3+ ion. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 195, 215-222.	2.0	30
32	Selective oxidation of CO in H2-rich stream over gold/iron oxide: An insight on the effect of catalyst pretreatment. Journal of Molecular Catalysis A, 2008, 284, 24-32.	4.8	51
33	Engineered Si(100) surfaces for the gas-phase anchoring of metal Î²-diketonate complexes. Inorganica Chimica Acta, 2007, 360, 170-178.	1.2	19
34	MOCVD of Lanthanum Oxides from La(tmhd)3 and La(tmod)3 Precursors: A Thermal and Kinetic Investigation. Chemical Vapor Deposition, 2006, 12, 46-53.	1.4	16
35	Fluorine-free and fluorine containing MOCVD precursors for electronic oxides: a comparison. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 118, 264-269.	1.7	11
36	Comparison of Thermal and Mass-Transport Properties of Bi(tmhd)3, Bi(p-tol)3, and Bi(o-tol)3 MOCVD Precursors. Chemical Vapor Deposition, 2005, 11, 261-268.	1.4	13

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37	MOCVD of Sr-Containing Oxides: Transport Properties and Deposition Mechanisms of the Sr(tmhd)2Â·pmdeta Precursor. Chemical Vapor Deposition, 2005, 11, 269-275.	1.4	9