

# Alessandro Di Mauro

## List of Publications by Year in descending order

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37  
papers

1,449  
citations

394286

19  
h-index

330025

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2135  
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnO for application in photocatalysis: From thin films to nanostructures. <i>Materials Science in Semiconductor Processing</i> , 2017, 69, 44-51.	1.9	244
2	Novel synthesis of ZnO/PMMA nanocomposites for photocatalytic applications. <i>Scientific Reports</i> , 2017, 7, 40895.	1.6	130
3	Preferential removal of pesticides from water by molecular imprinting on TiO <sub>2</sub> photocatalysts. <i>Chemical Engineering Journal</i> , 2020, 379, 122309.	6.6	124
4	Low temperature atomic layer deposition of ZnO: Applications in photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2016, 196, 68-76.	10.8	98
5	Selective photodegradation of paracetamol by molecularly imprinted ZnO nanonuts. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 509-517.	10.8	84
6	Molecularly imprinted N-doped TiO <sub>2</sub> photocatalysts for the selective degradation of o-phenylphenol fungicide from water. <i>Materials Science in Semiconductor Processing</i> , 2020, 112, 105019.	1.9	54
7	Synthesis of ZnO nanofibers by the electrospinning process. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 98-101.	1.9	53
8	Selective oxidation of CO in H <sub>2</sub> -rich stream over gold/iron oxide: An insight on the effect of catalyst pretreatment. <i>Journal of Molecular Catalysis A</i> , 2008, 284, 24-32.	4.8	51
9	Effect of Pt Nanoparticles on the Photocatalytic Activity of ZnO Nanofibers. <i>Nanoscale Research Letters</i> , 2015, 10, 484.	3.1	50
10	ZnO@pHEMA Nanocomposites: An Ecofriendly and Reusable Material for Water Remediation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40100-40110.	4.0	47
11	Selective photodegradation of 2,4-D pesticide from water by molecularly imprinted TiO <sub>2</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 380, 111872.	2.0	40
12	Ag/ZnO/PMMA Nanocomposites for Efficient Water Reuse. <i>ACS Applied Bio Materials</i> , 2020, 3, 4417-4426.	2.3	33
13	Synthesis of ZnO/PMMA nanocomposite by low-temperature atomic layer deposition for possible photocatalysis applications. <i>Materials Science in Semiconductor Processing</i> , 2020, 118, 105214.	1.9	33
14	Photocatalytic and antibacterial properties of titanium dioxide flat film. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 32-35.	1.9	32
15	Rapid synthesis of photoactive hydrogenated TiO <sub>2</sub> nanoplumes. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 328-334.	10.8	31
16	In situ synthesis of photoluminescent films of PVC, doped with Ce <sup>3+</sup> ion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 195, 215-222.	2.0	30
17	Enhanced Quality, Growth Kinetics, and Photocatalysis of ZnO Nanowalls Prepared by Chemical Bath Deposition. <i>Crystal Growth and Design</i> , 2015, 15, 4206-4212.	1.4	30
18	Hierarchical Effect behind the Supramolecular Chirality of Silver(I)-Cysteine Coordination Polymers. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4898-4904.	1.2	28

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19	Mechanical milling: a sustainable route to induce structural transformations in MoS <sub>2</sub> for applications in the treatment of contaminated water. <i>Scientific Reports</i> , 2019, 9, 974.	1.6	26
20	ZnO nanorods grown on ultrathin ZnO seed layers: Application in water treatment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 497-504.	2.0	21
21	Engineered Si(100) surfaces for the gas-phase anchoring of metal $\hat{1}^2$ -diketonate complexes. <i>Inorganica Chimica Acta</i> , 2007, 360, 170-178.	1.2	19
22	Multistep Anchoring Route of Luminescent (5-Amino-1,10-phenanthroline)tris(dibenzoylmethane)europium(III) on Si(100). <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4121-4129.	1.0	17
23	MOCVD of Lanthanum Oxides from La(tmhd) <sub>3</sub> and La(tmod) <sub>3</sub> Precursors: A Thermal and Kinetic Investigation. <i>Chemical Vapor Deposition</i> , 2006, 12, 46-53.	1.4	16
24	Vortexes tune the chirality of graphene oxide and its non-covalent hosts. <i>Chemical Communications</i> , 2016, 52, 13094-13096.	2.2	16
25	Atomic layer deposition of ZnO/TiO <sub>2</sub> multilayers: towards the understanding of Ti-doping in ZnO thin films. <i>RSC Advances</i> , 2016, 6, 88886-88895.	1.7	16
26	Suitability of Different Titanium Dioxide Nanotube Morphologies for Photocatalytic Water Treatment. <i>Nanomaterials</i> , 2021, 11, 708.	1.9	15
27	Comparison of Thermal and Mass-Transport Properties of Bi(tmhd) <sub>3</sub> , Bi(p-tol) <sub>3</sub> , and Bi(o-tol) <sub>3</sub> MOCVD Precursors. <i>Chemical Vapor Deposition</i> , 2005, 11, 261-268.	1.4	13
28	Solvophobic versus Electrostatic Interactions Drive Spontaneous Adsorption of Porphyrins onto Inorganic Surfaces: A Full Noncovalent Approach. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17659-17665.	1.5	13
29	A forest of SiO <sub>2</sub> nanowires covered by a TiO <sub>2</sub> thin film for an efficient photocatalytic water treatment. <i>RSC Advances</i> , 2016, 6, 91121-91126.	1.7	13
30	Surface modification by vanadium pentoxide turns oxide nanocrystals into powerful adsorbents of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 369-374.	5.0	13
31	Controlled large-scale fabrication of sea sponge-like ZnO nanoarchitectures on textured silicon. <i>CrystEngComm</i> , 2009, 11, 2770.	1.3	12
32	Fluorine-free and fluorine containing MOCVD precursors for electronic oxides: a comparison. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 118, 264-269.	1.7	11
33	Spontaneous deposition of polylysine on surfaces: Role of the secondary structure to optimize noncovalent coating strategies. <i>Journal of Colloid and Interface Science</i> , 2015, 437, 270-276.	5.0	10
34	MOCVD of Sr-Containing Oxides: Transport Properties and Deposition Mechanisms of the Sr(tmhd) <sub>2</sub> pmmdeta Precursor. <i>Chemical Vapor Deposition</i> , 2005, 11, 269-275.	1.4	9
35	Innovative Polymeric Hybrid Nanocomposites for Application in Photocatalysis. <i>Polymers</i> , 2021, 13, 1184.	2.0	7
36	Tetra-anionic porphyrin loading onto ZnO nanoneedles: A hybrid covalent/non covalent approach. <i>Materials Chemistry and Physics</i> , 2014, 143, 977-982.	2.0	6

#	ARTICLE	IF	CITATIONS
37	Electrospun SiO <sub>2</sub> necklaces on unglazed ceramic tiles: a planarizing strategy. Superlattices and Microstructures, 2015, 81, 265-271.	1.4	4