

# Manuel Avella

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

269  
citations

1684188

5  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

552  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dye-modified silica anatase nanoparticles for the ultrasensitive fluorogenic detection of the improvised explosive TATP in an air microfluidic device. <i>Materials Chemistry Frontiers</i> , 2021, 5, 8097-8107.	5.9	4
2	Surface functionalized silica nanoparticles for the off-on fluorogenic detection of an improvised explosive, TATP, in a vapour flow. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4416-4423.	10.3	27
3	Synthesis and Exploration of the Lubricating Behavior of Nanoparticulated Mo15S19 in Linseed Oil. <i>Materials</i> , 2018, 11, 1783.	2.9	2
4	±-MoO3 Crystals with a Multilayer Stack Structure Obtained by Annealing from a Lamellar MoS2/g-C3N4 Nanohybrid. <i>Nanomaterials</i> , 2018, 8, 559.	4.1	15
5	Palladium nanodendrites uniformly deposited on the surface of polymers as an efficient and recyclable catalyst for direct drug modification via Z-selective semihydrogenation of alkynes. <i>Green Chemistry</i> , 2018, 20, 3875-3883.	9.0	9
6	Surface Coating by Gold Nanoparticles on Functional Polymers: On-Demand Portable Catalysts for Suzuki Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 24999-25004.	8.0	14
7	Factors affecting the luminescence emission of InGaN multi-quantum wells grown on (0001) sapphire substrates by MOVPE. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 68-71.	0.8	1
8	Introduction of defects during the dry etching of InP photonic structures: a cathodo-luminescence study. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 171-175.	2.2	4
9	The Role of Surface Oxygen Vacancies in the NO <sub>2</sub> Sensing Properties of SnO <sub>2</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19540-19546.	3.1	181
10	The role of oxygen vacancies in the sensing properties of SnO <sub>2</sub> nanocrystals. , 2008, , .		1
11	Tailored Deposition by LPCVD of Non-stoichiometric Si Oxides and their Application in the Formation of Si Nanocrystals Embedded in SiO <sub>2</sub> by Thermal Annealing. <i>Materials Research Society Symposia Proceedings</i> , 2007, 989, 1.	0.1	1
12	Cathodoluminescence Study of V-defects in AlGaAs-based High-power Laser Bars. <i>Materials Research Society Symposia Proceedings</i> , 2007, 994, 1.	0.1	0
13	Characterisation of GaAsN layers grown by MOVPE. <i>Journal of Crystal Growth</i> , 2006, 287, 625-628.	1.5	5
14	Heteroepitaxy of InP on Silicon-on-Insulator for Optoelectronic Integration. <i>ECS Transactions</i> , 2006, 3, 23-29.	0.5	5