

# Oscar Marin

## List of Publications by Year in descending order

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19  
papers

183  
citations

1163117

8  
h-index

1125743

13  
g-index

19  
all docs

19  
docs citations

19  
times ranked

230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoluminescence from c-axis oriented ZnO films synthesized by sol-gel with diethanolamine as chelating agent. <i>Materials Science in Semiconductor Processing</i> , 2016, 56, 59-65.	4.0	27
2	On the origin of white photoluminescence from ZnO nanocones/porous silicon heterostructures at room temperature. <i>Superlattices and Microstructures</i> , 2015, 79, 29-37.	3.1	22
3	Effects of methanol on morphology and photoluminescence in solvothermal grown ZnO powders and ZnO on Si. <i>Materials Letters</i> , 2019, 251, 41-44.	2.6	20
4	Negative differential resistance in porous silicon devices at room temperature. <i>Superlattices and Microstructures</i> , 2015, 79, 45-53.	3.1	17
5	Structural, optical and vibrational properties of ZnO:M (M=Al <sup>3+</sup> and Sr <sup>2+</sup> ) nano and micropowders grown by hydrothermal synthesis. <i>Journal of Alloys and Compounds</i> , 2019, 789, 56-65.	5.5	16
6	Electrophoretic deposition of ZnO nanostructures: Au nanoclusters on Si substrates induce self-assembled nanowire growth. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 187, 21-25.	3.5	15
7	The shell effect on the room temperature photoluminescence from ZnO/MgO core/shell nanowires: exciton-phonon coupling and strain. <i>Nanotechnology</i> , 2017, 28, 275702.	2.6	15
8	Seed-free growth of strongly UV emitting self-supported hybrid ZnO nanowire/graphite membranes. <i>Materials Letters</i> , 2020, 269, 127658.	2.6	8
9	Metastability effects on the photoluminescence of ZnO nano-micro structures grown at low temperature and influence of the precursors on their morphology and structure. <i>Materials Research Express</i> , 2018, 5, 125003.	1.6	6
10	Nonmonotonic excitation power dependence of the UV photoluminescence rate from large ZnO nanoparticle assemblies. <i>Nano Structures Nano Objects</i> , 2021, 26, 100734.	3.5	6
11	Surface nanostructuring of ZnO and ZnO: Cd sub-microstructures and their use as suspended and immobilized photocatalysts for rapid degradation of methylene blue. <i>Materials Letters</i> , 2022, 311, 131634.	2.6	6
12	Pinning energy of domain walls in MnZn ferrite films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 4197-4202.	0.8	4
13	Enhanced photoconductivity and fine response tuning in nanostructured porous silicon microcavities. <i>Journal of Physics: Conference Series</i> , 2009, 167, 012005.	0.4	4
14	Suppression of the green emission, texturing, solute-atom diffusion and increased electron-phonon coupling induced by Ni in sol-gel ZnNiO thin films. <i>Applied Surface Science</i> , 2018, 456, 771-780.	6.1	4
15	The influence of methanol and NH <sub>4</sub> Cl on solvothermal ZnO synthesis and properties. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	4
16	White light from annealed porous silicon: Broadband emission from violet to the near infrared. <i>Materials Letters</i> , 2015, 150, 55-58.	2.6	3
17	Switchable Electric Field Induced Diode Effect in Nanostructured Porous Silicon. <i>IEEE Electron Device Letters</i> , 2013, 34, 590-592.	3.9	2
18	Single-step ZnO nanorod bunches formation on p-type Si-conductive substrates by electrophoretic deposition. <i>Surfaces and Interfaces</i> , 2021, 23, 100930.	3.0	2

#	ARTICLE	IF	CITATIONS
19	ZnO Nanostructures Synthesized by Vapor Transport and Liquid Phase Synthesis Techniques: Growth and Properties. Science Reviews - From the End of the World, 2020, 1, 6-23.	0.2	2