

# DesireÃ© M De Los Santos

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

956  
citations

759233

12  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1669  
citing authors

#	ARTICLE	IF	CITATIONS
1	New insights into organic-inorganic hybrid perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ nanoparticles. An experimental and theoretical study of doping in $\text{Pb}^{2+}$ sites with $\text{Sn}^{2+}$ , $\text{Sr}^{2+}$ , $\text{Cd}^{2+}$ and $\text{Ca}^{2+}$ . <i>Nanoscale</i> , 2015, 7, 6216-6229.	5.6	216
2	New Nanomaterials for Consolidating Stone. <i>Langmuir</i> , 2008, 24, 2772-2778.	3.5	120
3	Surfactant-Synthesized Ormosils with Application to Stone Restoration. <i>Langmuir</i> , 2010, 26, 6737-6745.	3.5	115
4	Experimental and theoretical study of the electronic properties of Cu-doped anatase $\text{TiO}_2$ . <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3835.	2.8	111
5	Introducing UCA-FUKUI software: reactivity-index calculations. <i>Journal of Molecular Modeling</i> , 2014, 20, 2492.	1.8	96
6	New route for producing crack-free xerogels: Obtaining uniform pore size. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 645-650.	3.1	62
7	New Nanomaterials for Protecting and Consolidating Stone. <i>Journal of Nano Research</i> , 0, 8, 1-12.	0.8	41
8	Thermo-selective $\text{Tm}_x\text{Ti}_{1-x}\text{O}_{2x/2}$ nanoparticles: from Tm-doped anatase $\text{TiO}_2$ to a rutile/pyrochlore $\text{Tm}_2\text{Ti}_2\text{O}_7$ mixture. An experimental and theoretical study with a photocatalytic application. <i>Nanoscale</i> , 2014, 6, 12740-12757.	5.6	32
9	Electronic and Structural Properties of Highly Aluminum Ion Doped $\text{TiO}_2$ Nanoparticles: A Combined Experimental and Theoretical Study. <i>ChemPhysChem</i> , 2014, 15, 2267-2280.	2.1	29
10	Highly Al-doped $\text{TiO}_2$ nanoparticles produced by Ball Mill Method: structural and electronic characterization. <i>Materials Research Bulletin</i> , 2015, 70, 704-711.	5.2	28
11	Chitosan-GPTMS-Silica Hybrid Mesoporous Aerogels for Bone Tissue Engineering. <i>Polymers</i> , 2020, 12, 2723.	4.5	23
12	Hydroxyl Groups Induce Bioactivity in Silica/Chitosan Aerogels Designed for Bone Tissue Engineering. In Vitro Model for the Assessment of Osteoblasts Behavior. <i>Polymers</i> , 2020, 12, 2802.	4.5	18
13	Sol-Gel Application for Consolidating Stone: An Example of Project-Based Learning in a Physical Chemistry Lab. <i>Journal of Chemical Education</i> , 2014, 91, 1481-1485.	2.3	15
14	Study of thulium doping effect and enhancement of photocatalytic activity of rutile $\text{TiO}_2$ nanoparticles. <i>Materials Chemistry and Physics</i> , 2015, 161, 175-184.	4.0	12
15	$\text{TiO}_2$ and pyrochlore $\text{Tm}_2\text{Ti}_2\text{O}_7$ based semiconductor as a photoelectrode for dye-sensitized solar cells. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 145102.	2.8	12
16	$\text{MoS}_2/\text{Cu}/\text{TiO}_2$ nanoparticles: synthesis, characterization and effect on photocatalytic decomposition of methylene blue in water under visible light. <i>Water Science and Technology</i> , 2018, 2017, 184-193.	2.5	10
17	Convergent study of Ru ligand interactions through QTAIM, ELF, NBO molecular descriptors and TDDFT analysis of organometallic dyes. <i>Molecular Physics</i> , 2014, 112, 2063-2077.	1.7	9
18	Incorporation of Al(hydr)oxide species onto the surface of $\text{TiO}_2$ nanoparticles: Improving the open-circuit voltage in dye-sensitized solar cells. <i>Thin Solid Films</i> , 2015, 578, 167-173.	1.8	5

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19	MoS <sub>2</sub> TiO <sub>2</sub> Mixture: A Modification Strategies of TiO <sub>2</sub> Nanoparticles to Improve Photocatalytic Activity Under Visible Light. Current Environmental Management, 2020, 6, 245-255.	0.7	2