

Antonio Snchez Coronilla

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7199210/antonio-sanchez-coronilla-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

1,042
citations

17
h-index

30
g-index

61
ext. papers

1,226
ext. citations

5
avg, IF

4.05
L-index

#	Paper	IF	Citations
61	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 Pb^{2+} sites with Sn^{2+} , Sr^{2+} , Cd^{2+} and Ca^{2+} . <i>Nanoscale</i> , 2015 , 7, 6216-29	7.7	176
60	Experimental and theoretical study of the electronic properties of Cu-doped anatase TiO_2 . <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3835-45	3.6	91
59	Introducing "UCA-FUKUI" software: reactivity-index calculations. <i>Journal of Molecular Modeling</i> , 2014 , 20, 2492	2	74
58	On the enhancement of heat transfer fluid for concentrating solar power using Cu and Ni nanofluids: An experimental and molecular dynamics study. <i>Nano Energy</i> , 2016 , 27, 213-224	17.1	50
57	Ag-based nanofluidic system to enhance heat transfer fluids for concentrating solar power: Nano-level insights. <i>Applied Energy</i> , 2017 , 194, 19-29	10.7	42
56	Dramatically enhanced thermal properties for TiO_2 -based nanofluids for being used as heat transfer fluids in concentrating solar power plants. <i>Renewable Energy</i> , 2018 , 119, 809-819	8.1	38
55	Investigation of enhanced thermal properties in NiO-based nanofluids for concentrating solar power applications: A molecular dynamics and experimental analysis. <i>Applied Energy</i> , 2018 , 211, 677-688	10.7	36
54	Revealing the role of $\text{Pb}(2+)$ in the stability of organic-inorganic hybrid perovskite $\text{CH}_3\text{NH}_3\text{Pb}_{1-x}\text{Cd}_x\text{I}_3$: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 23886-96	3.6	33
53	Preparation of Au nanoparticles in a non-polar medium: obtaining high-efficiency nanofluids for concentrating solar power. An experimental and theoretical perspective. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12483-12497	13	25
52	Reorganization of self-assembled dipeptide porphyrin J-aggregates in water-ethanol mixtures. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 2396-404	3.4	25
51	Thermo-selective $\text{Tm}(x)\text{Ti}(1-x)\text{O}(2-x/2)$ nanoparticles: from Tm-doped anatase 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, 12740-57	7.7	24
50	Electronic and structural properties of highly aluminum ion doped $\text{TiO}(2)$ nanoparticles: a combined experimental and theoretical study. <i>ChemPhysChem</i> , 2014 , 15, 2267-80	3.2	24
49	Highly Al-doped TiO_2 nanoparticles produced by Ball Mill Method: structural and electronic characterization. <i>Materials Research Bulletin</i> , 2015 , 70, 704-711	5.1	23
48	New Insights on the Excited-State Proton-Transfer Reactions of Betacarbolines: Cationic Exciplex Formation. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 1910-1918	2.8	22
47	The impact of Pd on the light harvesting in hybrid organic-inorganic perovskite for solar cells. <i>Nano Energy</i> , 2017 , 34, 141-154	17.1	20
46	Oxygen termination of homoepitaxial diamond surface by ozone and chemical methods: An experimental and theoretical perspective. <i>Applied Surface Science</i> , 2018 , 433, 408-418	6.7	20
45	Tm-doped TiO_2 and $\text{Tm}_2\text{Ti}_2\text{O}_7$ pyrochlore nanoparticles: enhancing the photocatalytic activity of rutile with a pyrochlore phase. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 605-16	3	17

44	Ground state isomerism in betacarboline hydrogen bond complexes: The charge transfer nature of its large Stokes shifted emission. <i>Chemical Physics</i> , 2008 , 351, 27-32	2.3	17
43	Quantification of nucleobases/gold nanoparticles interactions: energetics of the interactions through apparent binding constants determination. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 22121-22128	3.6	15
42	Ground and singlet excited state pyridinic protonation of N9-methylbetacarboline in water-N,N-dimethylformamide mixtures. <i>Journal of Fluorescence</i> , 2009 , 19, 1025-35	2.4	15
41	Ground state isomerism and dual emission of the β -carboline anhydrobase (N2-methyl-9H-pyrido[3,4-b]indole) in aprotic solvents. <i>Chemical Physics</i> , 2006 , 327, 70-76	2.3	14
40	Experimental and theoretical analysis of NiO nanofluids in presence of surfactants. <i>Journal of Molecular Liquids</i> , 2018 , 252, 211-217	6	13
39	MoS ₂ nanosheets vs. nanowires: preparation and a theoretical study of highly stable and efficient nanofluids for concentrating solar power. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14919-14929	13	13
38	Fluorescence quenching of betacarboline (9H-pyrido[3,4-b]indole) induced by intermolecular hydrogen bonding with pyridines. <i>Journal of Luminescence</i> , 2007 , 127, 671-677	3.8	12
37	Influence of hydrogen bonding in the ground and the excited states of the isomers of the β -carboline anhydrobase (N2-methyl-9H-pyrido[3,4-b]indole) in aprotic solvents. <i>Chemical Physics</i> , 2008 , 344, 72-78	2.3	12
36	TiO ₂ and pyrochlore Tm ₂ Ti ₂ O ₇ based semiconductor as a photoelectrode for dye-sensitized solar cells. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 145102	3	10
35	Novel WS ₂ -Based Nanofluids for Concentrating Solar Power: Performance Characterization and Molecular-Level Insights. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 5793-5804	9.5	10
34	SolGel 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	2.4	10
33	Study of thulium doping effect and enhancement of photocatalytic activity of rutile TiO ₂ nanoparticles. <i>Materials Chemistry and Physics</i> , 2015 , 161, 175-184	4.4	10
32	Dual emission of temperature-induced betacarboline self-associated hydrogen bond aggregates. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 414-20	4.2	10
31	The Role of the Interactions at the Tungsten Disulphide Surface in the Stability and Enhanced Thermal Properties of Nanofluids with Application in Solar Thermal Energy. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
30	The near-mid-IR HOMO-LUMO gap in amide linked porphyrin-rhodamine dyads. <i>Chemical Communications</i> , 2013 , 49, 8809-11	5.8	9
29	A theoretical study of the hydrogen bond donor capability and co-operative effects in the hydrogen bond complexes of the diaza-aromatic betacarbolines. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 5276-84	3.6	9
28	Towards the improvement of the global efficiency of concentrating solar power plants by using Pt-based nanofluids: The internal molecular structure effect. <i>Applied Energy</i> , 2018 , 228, 2262-2274	10.7	8
27	Convergent study of Ru ^{II} and interactions through QTAIM, ELF, NBO molecular descriptors and TDDFT analysis of organometallic dyes. <i>Molecular Physics</i> , 2014 , 112, 2063-2077	1.7	8

26	Singlet excited state pyridinic deprotonation of the N9-methylbetacarboline cations in aqueous sodium hydroxide solutions. <i>Journal of Fluorescence</i> , 2010 , 20, 163-70	2.4	8
25	The Role of Surfactants in the Stability of NiO Nanofluids: An Experimental and DFT Study. <i>ChemPhysChem</i> , 2017 , 18, 346-356	3.2	7
24	Hybrid Perovskite, CH ₃ NH ₃ PbI ₃ , for Solar Applications: An Experimental and Theoretical Analysis of Substitution in A and B Sites. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-10	3.2	7
23	Intermolecular potentials for simulations of collisions of SiNCS ⁺ and (CH ₃) ₂ SiNCS ⁺ ions with fluorinated self-assembled monolayers. <i>Chemical Physics</i> , 2012 , 399, 193-204	2.3	7
22	Cu(II)-Doped TiO ₂ Nanoparticles as Photoelectrode in Dye-Sensitized Solar Cells: Improvement of Open-Circuit Voltage and a Light Scattering Effect. <i>Science of Advanced Materials</i> , 2014 , 6, 473-482	2.3	7
21	Porphyrin-rhodamine conjugates as new materials with sensing ability. <i>Dyes and Pigments</i> , 2016 , 135, 113-126	4.6	7
20	Insights into the stability and thermal properties of WSe ₂ -based nanofluids for concentrating solar power prepared by liquid phase exfoliation. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114333	6	6
19	Surface thulium-doped TiO ₂ nanoparticles used as photoelectrodes in dye-sensitized solar cells: improving the open-circuit voltage. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 121, 1261-1269	2.6	5
18	Unraveling the role of the base fluid arrangement in metal-nanofluids used to enhance heat transfer in concentrating solar power plants. <i>Journal of Molecular Liquids</i> , 2018 , 252, 271-278	6	5
17	New insights on the 7-azaindole photophysics: the overlooked role of its non phototautomerizable hydrogen bonded complexes. <i>Journal of Fluorescence</i> , 2014 , 24, 45-55	2.4	5
16	Synthesis and Characterization of Gel-Derived, Highly Al-Doped TiO ₂ (Al _x Ti _{1-x} O ₂) ₂ ; x = 0.083, 0.154, 0.2) Nanoparticles: Improving the Photocatalytic Activity. <i>Science of Advanced Materials</i> , 2014 , 6, 2134-2145	2.3	5
15	Chitosan biofilms: Insights for the selective electromembrane extraction of fluoroquinolones from biological samples. <i>Analytica Chimica Acta</i> , 2021 , 1179, 338832	6.6	5
14	Factors that control the gold nanoparticles aggregation induced by adenine molecules: New insights through a combined experimental and theoretical study. <i>Journal of Molecular Liquids</i> , 2020 , 310, 113136	6	4
13	Revealing at the molecular level the role of the surfactant in the enhancement of the thermal properties of the gold nanofluid system used for concentrating solar power. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 2421-2430	3.6	4
12	Theoretical study on the interactions between ibrutinib and gold nanoparticles for being used as drug delivery in the chronic lymphocytic leukemia. <i>Journal of Molecular Liquids</i> , 2020 , 316, 113878	6	3
11	Tuning the structural, optical and photoluminescence properties of hybrid perovskite quantum dots by A-site doping. <i>Applied Materials Today</i> , 2020 , 18, 100488	6.6	3
10	Steric Tuning of Sulfinamide/Sulfoxides as Chiral Ligands with , Pseudo-, and Pseudo- Symmetries: Application in Rhodium(I)-Mediated Arylation. <i>Organic Letters</i> , 2019 , 21, 6513-6518	6.2	2
9	Experimental and theoretical analysis of nanofluids based on high temperature-heat transfer fluid with enhanced thermal properties. <i>EPJ Applied Physics</i> , 2017 , 78, 10901	1.1	2

8	Electrophilic reactivity of tetrabromorhodamine 123 is bromine induced: convergent interpretation through complementary molecular descriptors. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 11938-45	2.8	2
7	Experimental Characterization and Theoretical Modelling of Ag and Au-Nanofluids: A Comparative Study of Their Thermal Properties. <i>Journal of Nanofluids</i> , 2018 , 7, 1059-1068	2.2	2
6	A Theoretical Study on the Inclusion of Fe, Cu, and Zn in Illite Clays. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-14	3.2	1
5	Combined study of vibrational spectra of Barbitone by theoretical and experimental IR methods. <i>Vibrational Spectroscopy</i> , 2011 , 55, 287-294	2.1	1
4	A Study of Overheating of Thermostatically Controlled TiO ₂ Thin Films by Using Raman Spectroscopy. <i>ChemPhysChem</i> , 2015 , 16, 3949-58	3.2	
3	Ground- and Excited-State Hydrogen Bonding in the Diazaromatic Betacarboline Derivatives 2010 , 393-417		
2	Organic-Inorganic Hybrid Perovskite, CH ₃ NH ₃ PbI ₃ : Modifications in Pb Sites from Experimental and Theoretical Perspectives 2018 , 357-400		
1	Insights into the Photovoltaic and Photocatalytic Activity of Cu-, Al-, and Tm-Doped TiO ₂ 2018 , 165-194		