

Roberto C Carrillo-Torres

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

304
citations

840776

11
h-index

888059

17
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30
all docs

30
docs citations

30
times ranked

464
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of inert ambient annealing on structural and defect characteristics of coaxial N-CNTs@ZnO nanotubes coated by atomic layer deposition. <i>Ceramics International</i> , 2022, 48, 29829-29837.	4.8	3
2	Zinc sulfide quantum dots coated with PVP: applications on commercial solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 1457-1465.	2.2	6
3	Deep photothermal effect induced by stereotactic laser beams in highly scattering media. <i>Optics Letters</i> , 2021, 46, 4248.	3.3	1
4	Experimental Characterization of Chemical Properties of Engine Oil Using Localized Surface Plasmon Resonance Sensing. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8518.	2.5	3
5	Room temperature CO ₂ sensing using Au-decorated ZnO nanorods deposited on an optical fiber. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114720.	3.5	9
6	An innovative method to reduce oil waste using a sensor made of recycled material to evaluate engine oil life in automotive workshops. <i>Environmental Science and Pollution Research</i> , 2020, 27, 28104-28112.	5.3	5
7	Merging Mie solutions and the radiative transport equation to measure optical properties of scattering particles in optical phantoms. <i>Applied Optics</i> , 2020, 59, 10591.	1.8	1
8	One-pot Synthesized Silicon Quantum Dot Films for Luminescent Solar Concentrators. , 2020, , .		0
9	Biosynthesis of gold and silver nanoparticles using <i>Parkinsonia florida</i> leaf extract and antimicrobial activity of silver nanoparticles. <i>Materials Research Express</i> , 2019, 6, 095025.	1.6	5
10	ZnS and ZnO nanocomposite for near white light tuning applications. , 2019, , .		2
11	Fiber optic sensor using ZnO for detection of adulterated tequila with methanol. <i>Optical Fiber Technology</i> , 2019, 52, 101982.	2.7	5
12	Co-emission and energy transfer of Sm ³⁺ and/or Eu ³⁺ activated zinc-germanate- tellurite glass as a potential tunable orange to reddish-orange phosphor. <i>Journal of Non-Crystalline Solids</i> , 2019, 521, 119462.	3.1	28
13	Tunable emission and energy transfer in TeO ₂ -GeO ₂ -ZnO and TeO ₂ -GeO ₂ -MgCl ₂ glasses activated with Eu ³⁺ /Dy ³⁺ for solid state lighting applications. <i>Journal of Luminescence</i> , 2019, 212, 116-125.	3.1	29
14	Stabilized blue emitting ZnS@SiO ₂ quantum dots. <i>Optical Materials</i> , 2019, 89, 396-401.	3.6	14
15	Characterisation of chemical bath deposition PbS nanofilms using polyethyleneimine, triethanolamine and ammonium nitrate as complexing agents. <i>Thin Solid Films</i> , 2019, 692, 137609.	1.8	15
16	Sunlight-driven phytochemical synthesis of silver nanoparticles using aqueous extract of <i>Albizia lebbek</i> (L) Benth. <i>Materials Research Express</i> , 2019, 6, 125060.	1.6	3
17	Improved Method of Study on the Photothermal Effect of Plasmonic Nanoparticles by Dynamic IR Thermography. <i>Plasmonics</i> , 2019, 14, 935-944.	3.4	4
18	Seedless synthesis of silver nanoparticles using sunlight and study of the effect of different ratios of precursors. <i>Materials Research Express</i> , 2019, 6, 045067.	1.6	4

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19	Thermally and optically stimulated luminescence in long persistent orthorhombic strontium aluminates doped with Eu, Dy and Eu, Nd. <i>Optical Materials</i> , 2017, 67, 91-97.	3.6	17
20	Experimental and theoretical study on the molecular structure, covalent and non-covalent interactions of 2,4-dinitrodiphenylamine: X-ray diffraction and QTAIM approach. <i>Journal of Molecular Structure</i> , 2017, 1141, 53-63.	3.6	16
21	Photo-mediated Seedless Synthesis of Silver Nanoparticles Using CW-Laser and Sunlight Irradiation. <i>Microscopy and Microanalysis</i> , 2017, 23, 1902-1903.	0.4	3
22	Structural Characterization of Monodisperse SiO ₂ Spherical Nanoparticles Grown by Controlled Method to Develop Optical Phantoms. <i>Microscopy and Microanalysis</i> , 2017, 23, 1924-1925.	0.4	3
23	Aqueous-Organic Phase Transfer of Gold and Silver Nanoparticles Using Thiol-Modified Oleic Acid. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 273.	2.5	19
24	Molecular recognition of glyconanoparticles by RCA and E. coli K88 - designing transports for targeted therapy. <i>Acta Biochimica Polonica</i> , 2017, 64, 671-677.	0.5	6
25	Comparison of spatially and temporally resolved diffuse transillumination measurement systems for extraction of optical properties of scattering media. <i>Applied Optics</i> , 2017, 56, 9199.	1.8	3
26	Green synthesis of reduced graphene oxide using ball milling. <i>Carbon Letters</i> , 2017, 21, 93-97.	5.9	29
27	Molecular structure, hydrogen-bonding patterns and topological analysis (QTAIM and NCI) of 5-methoxy-2-nitroaniline and 5-methoxy-2-nitroaniline with 2-amino-5-nitropyridine (1:1) co-crystal. <i>Journal of Molecular Structure</i> , 2016, 1119, 505-516.	3.6	18
28	Hollow Au@Ag bimetallic nanoparticles with high photothermal stability. <i>RSC Advances</i> , 2016, 6, 41304-41312.	3.6	29
29	Dielectric anomalous response of water at 60°C. <i>Philosophical Magazine</i> , 2015, 95, 683-690.	1.6	18
30	Experimental and theoretical investigation on the molecular structure, spectroscopic and electric properties of 2,4-dinitrodiphenylamine, 2-nitro-4-(trifluoromethyl)aniline and 4-bromo-2-nitroaniline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 240-253.	3.9	6