

Roberto C Carrillo-Torres

List of Publications by Year in descending order

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papers

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citations

840776

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g-index

30
all docs

30
docs citations

30
times ranked

464
citing authors

#	ARTICLE	IF	CITATIONS
1	Hollow Au@Ag bimetallic nanoparticles with high photothermal stability. RSC Advances, 2016, 6, 41304-41312.	3.6	29
2	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. Journal of Luminescence, 2019, 212, 116-125.	3.1	29
3	Green synthesis of reduced graphene oxide using ball milling. Carbon Letters, 2017, 21, 93-97.	5.9	29
4	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. Journal of Non-Crystalline Solids, 2019, 521, 119462.	3.1	28
5	Aqueous-Organic Phase Transfer of Gold and Silver Nanoparticles Using Thiol-Modified Oleic Acid. Applied Sciences (Switzerland), 2017, 7, 273.	2.5	19
6	Dielectric anomalous response of water at 60°C. Philosophical Magazine, 2015, 95, 683-690.	1.6	18
7	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. Journal of Molecular Structure, 2016, 1119, 505-516.	3.6	18
8	Thermally and optically stimulated luminescence in long persistent orthorhombic strontium aluminates doped with Eu, Dy and Eu, Nd. Optical Materials, 2017, 67, 91-97.	3.6	17
9	Experimental and theoretical study on the molecular structure, covalent and non-covalent interactions of 2,4-dinitrodiphenylamine: X-ray diffraction and QTAIM approach. Journal of Molecular Structure, 2017, 1141, 53-63.	3.6	16
10	Characterisation of chemical bath deposition PbS nanofilms using polyethyleneimine, triethanolamine and ammonium nitrate as complexing agents. Thin Solid Films, 2019, 692, 137609.	1.8	15
11	Stabilized blue emitting ZnS@SiO ₂ quantum dots. Optical Materials, 2019, 89, 396-401.	3.6	14
12	Room temperature CO ₂ sensing using Au-decorated ZnO nanorods deposited on an optical fiber. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114720.	3.5	9
13	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 240-253.	3.9	6
14	Molecular recognition of glyconanoparticles by RCA and E. coli K88 - designing transports for targeted therapy. Acta Biochimica Polonica, 2017, 64, 671-677.	0.5	6
15	Zinc sulfide quantum dots coated with PVP: applications on commercial solar cells. Journal of Materials Science: Materials in Electronics, 2021, 32, 1457-1465.	2.2	6
16	Biosynthesis of gold and silver nanoparticles using Parkinsonia florida leaf extract and antimicrobial activity of silver nanoparticles. Materials Research Express, 2019, 6, 095025.	1.6	5
17	Fiber optic sensor using ZnO for detection of adulterated tequila with methanol. Optical Fiber Technology, 2019, 52, 101982.	2.7	5
18	An innovative method to reduce oil waste using a sensor made of recycled material to evaluate engine oil life in automotive workshops. Environmental Science and Pollution Research, 2020, 27, 28104-28112.	5.3	5

#	ARTICLE	IF	CITATIONS
19	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
20	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
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	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
24	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
25	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
26	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
27	ZnS and ZnO nanocomposite for near white light tuning applications. , 2019, , .		2
28	Deep photothermal effect induced by stereotactic laser beams in highly scattering media. <i>Optics Letters</i> , 2021, 46, 4248.	3.3	1
29	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
30	One-pot Synthesized Silicon Quantum Dot Films for Luminescent Solar Concentrators. , 2020, , .		0