Geonel Rodriguez Gattorno

List of Publications by Citations

70 papers	2,432 citations	22 h-index	48 g-index
75 ext. papers	2,694 ext. citations	4.7 avg, IF	4.79 L-index

#	Paper	IF	Citations
70	Phase-pure TiO(2) nanoparticles: anatase, brookite and rutile. *Nanotechnology*, **2008**, 19, 145605	3.4	821
69	Efficient anchoring of silver nanoparticles on N-doped carbon nanotubes. *Small*, **2006**, 2, 346-50	11	138
68	Metallic Nanoparticles from Spontaneous Reduction of Silver(I) in DMSO. Interaction between Nitric Oxide and Silver Nanoparticles. *Journal of Physical Chemistry B*, **2002**, 106, 2482-2487	3.4	131
67	One-step synthesis of Mn3O4 nanoparticles: structural and magnetic study. *Journal of Colloid and Interface Science*, **2005**, 291, 175-80	9.3	129
66	Novel Synthesis Pathway of ZnO Nanoparticles from the Spontaneous Hydrolysis of Zinc Carboxylate Salts. *Journal of Physical Chemistry B*, **2003**, 107, 12597-12604	3.4	99
65	Oxidative desulfurization (ODS) of organosulfur compounds catalyzed by peroxo-metallate complexes of WOx□rO2: Thermochemical, structural, and reactivity indexes analyses. *Journal of Catalysis*, **2011**, 282, 201-208	7.3	84
64	Synthesis of ZnO nanoparticles on a clay mineral surface in dimethyl sulfoxide medium. *Langmuir*, **2004**, 20, 2855-60	4	80
63	Optical absorbance of colloidal suspensions of silver polyhedral nanoparticles. *Journal of Physical Chemistry B*, **2005**, 109, 17512-7	3.4	71
62	An Elementary Picture of Dielectric Spectroscopy in Solids: Physical Basis. *Journal of Chemical Education*, **2003**, 80, 1062	2.4	60
61	Surface acid□basic properties of WOx□rO2 and catalytic efficiency in oxidative desulfurization. *Applied Catalysis B: Environmental*, **2009**, 92, 1-8	21.8	52
60	Properties of Poly (ethylene oxide)/ whey Protein Isolate Nanofibers Prepared by Electrospinning. *Food Biophysics*, **2015**, 10, 134-144	3.2	47
59	Thermal decomposition kinetics of MgAl layered double hydroxides. *Materials Chemistry and Physics*, **2012**, 133, 621-629	4.4	43
58	Influence of Brookite Impurities on the Raman Spectrum of TiO2 Anatase Nanocrystals. *Journal of Physical Chemistry C*, **2018**, 122, 19921-19930	3.8	33
57	Synthesis and characterization of WO3 polymorphs: monoclinic, orthorhombic and hexagonal structures. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 5526-5531	2.1	31
56	Hierarchically nanostructured barium sulfate fibers. *Langmuir*, **2010**, 26, 6954-9	4	31
55	Photoelectrochemical water oxidation at electrophoretically deposited WO3 films as a function of crystal structure and morphology. *Electrochimica Acta*, **2014**, 140, 320-331	6.7	30
54	CeO2 thin films by flash evaporation. *Solid State Ionics*, **1997**, 96, 89-93	3.3	30

53	Photoelectrochemical water oxidation at FTO|WO3@CuWO4 and FTO|WO3@CuWO4|BiVO4 heterojunction systems: An IMPS analysis. *Electrochimica Acta*, **2019**, 308, 317-327	6.7	27
52	The nucleation kinetics of ZnO nanoparticles from ZnCl2 in ethanol solutions. *Nanoscale*, **2010**, 2, 2710-7	7.7	27
51	Charge Transfer and Recombination Dynamics at Inkjet-Printed CuBi2O4 Electrodes for Photoelectrochemical Water Splitting. *Journal of Physical Chemistry C*, **2018**, 122, 27169-27179	3.8	27
50	Anchoring of Silver Nanoparticles on Graphite and Isomorphous Lattices. *Journal of Physical Chemistry C*, **2007**, 111, 5331-5336	3.8	26
49	Synthesis and Thermal Behavior of Metallic Cobalt Micro and Nanostructures. *Nano-Micro Letters*, **2011**, 3, 12-19	19.5	22
48	Photocatalytic performance of nitrogen doped ZnO structures supported on graphene oxide for MB degradation. *Chemosphere*, **2019**, 236, 124368	8.4	20
47	Charge transfer and recombination kinetics at WO3 for photoelectrochemical water oxidation. *Electrochimica Acta*, **2017**, 258, 900-908	6.7	20
46	Synthesis and direct interactions of silver colloidal nanoparticles with pollutant gases. *Colloid and Polymer Science*, **2008**, 286, 67-77	2.4	19
45	An intensity-modulated photocurrent spectroscopy study of the charge carrier dynamics of WO3/BiVO4 heterojunction systems. *Solar Energy Materials and Solar Cells*, **2020**, 208, 110378	6.4	18
44	Controlled Release of Phenytoin from Nanostructured TiO2 Reservoirs. *Science of Advanced Materials*, **2009**, 1, 63-68	2.3	18
43	Stable inks for inkjet printing of TiO2 thin films. *Materials Science in Semiconductor Processing*, **2018** , 81, 75-81	4.3	17
42	Structural and thermal study of carbon-modified molybdenum sub-oxide catalysts. *Applied Catalysis A: General*, **2007**, 321, 117-124	5.1	16
41	Oxidation process of MoOxCy to MoO3: kinetics and mechanism. *Journal of Solid State Chemistry*, **2004**, 177, 3281-3289	3.3	16
40	A combined theoretical-experimental study on the acidity of WO(x)-ZrO(2) systems. *Physical Chemistry Chemical Physics*, **2008**, 10, 4181-8	3.6	15
39	Influence of morphology on the performance of ZnO-based dye-sensitized solar cells. *RSC Advances* , **2016**, 6, 37424-37433	3.7	15
38	New insights on molybdenum suboxide: nature of carbons in isomerization reactions. *Journal of Physical Chemistry B*, **2005**, 109, 17518-25	3.4	14
37	Dehydration Process of Hofmann-Type Layered Solids. *Materials*, **2013**, 6, 1452-1466	3.5	13
36	Cyclohexane Ring Opening on Alumina-Supported Rh and Ir Nanoparticles. *Energy & Fuels*, **2007**, 21, 1122-1126	4.1	13

35	Tailoring Chemical Hardness in WOx/ZrO2 System. *Chemistry of Materials*, **2006**, 18, 5446-5452	9.6	12
34	Thermal Characterization of Carbon Fiber-Reinforced Carbon Composites. *Applied Composite Materials*, **2019**, 26, 321-337	2	12
33	Facile synthesis of rod-shaped bismuth sulfide@graphene oxide (Bi2S3@GO) composite. *Materials Chemistry and Physics*, **2018**, 219, 376-389	4.4	10
32	Eco-friendly synthesis of egg-white capped silver nanoparticles for rapid, selective, and sensitive detection of Hg(II). *MRS Communications*, **2017**, 7, 695-700	2.7	10
31	Synthesis and characterization of RuS2 nanostructures. *Journal of Physical Chemistry B*, **2005**, 109, 22715-24	3.4	10
30	Structural, optical and photoelectrochemical properties of tungsten oxide thin films grown by non-reactive RF-sputtering. *Superlattices and Microstructures*, **2019**, 127, 123-127	2.8	10
29	Defects in Porous Networks of WO3 Particle Aggregates. *ChemElectroChem*, **2016**, 3, 658-667	4.3	9
28	Inkjet-Printed Reduced Graphene Oxide (rGO) Films For Electrocatalytic Applications. *Journal of the Electrochemical Society*, **2019**, 166, H3279-H3285	3.9	8
27	Activation of CdS nanoparticles by metallic ions and their selective interactions with PAMAM dendrimers. *Colloid and Polymer Science*, **2004**, 282, 957-964	2.4	8
26	Combined use of high resolution TGA with the isoconversion method: Kinetic analysis of the thermal dehydration of KNbWO6·H2O. *Thermochimica Acta*, **2005**, 435, 176-180	2.9	8
25	Electrical Characterization of Schottky Diodes Based on Inkjet-Printed TiO2 Films. *IEEE Electron Device Letters*, **2018**, 39, 1940-1943	4.4	8
24	Reversible Self-Assembly (fcc-bct) Crystallization of Confined Granular Spheres via a Shear Dimensionality Mechanism. *Physical Review Letters*, **2018**, 121, 074302	7.4	7
23	Effect of slip boundary condition on the design of nanoparticle focusing lenses. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 3741-8	1.3	7
22	Forced Hydrolysis vs Self-Hydrolysis of Zinc Acetate in Ethanol and Iso-butanol. *ECS Transactions*, **2006**, 3, 23-28	1	7
21	Fabrication of Schottky barrier diodes based on ZnO for flexible electronics. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 7373-7377	2.1	7
20	Comparing the Efficiency of N-Doped TiO2 and N-Doped Bi2MoO6 Photo Catalysts for MB and Lignin Photodegradation. *Catalysts*, **2018**, 8, 668	4	7
19	Fine tuning of inkjet printability parameters for NiO nanofilms fabrication. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 583, 123959	5.1	5
18	Direct Interaction of Colloidal Nanostructured ZnO and SnO2 with NO and SO2. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 6389-6397	1.3	5

List of Publications

17	Electrodeposition of ZnO for Application in Dye-sensitized Solar Cells. *Journal of New Materials for Electrochemical Systems*, **2013**, 16, 209-215	2.8	5
16	"Tailoring the TiO phases through microwave-assisted hydrothermal synthesis: Comparative assessment of bactericidal activity". *Materials Science and Engineering C*, **2020**, 117, 111290	8.3	5
15	Inkjet Printing as High-Throughput Technique for the Fabrication of NiCo2O4 Films. *Advances in Materials Science and Engineering*, **2017**, 2017, 1-9	1.5	4
14	Effects of Sintering on the Thermal and Optical Properties of Zinc Oxide Ceramic. *International Journal of Thermophysics*, **2018**, 39, 1	2.1	3
13	Thermophysical and optical properties of NiCo2O4@ZrO2: A potential composite for thermochemical processes. *International Journal of Hydrogen Energy*, **2021**, 46, 10632-10641	6.7	2
12	Unraveling amazing structural features of a highly efficient □xo-Co/phosphate□catalyst for water oxidation. *Applied Catalysis B: Environmental*, **2021**, 282, 119549	21.8	2
11	Mg-Ca0.3 Electrochemical Activity Exposed to Hank□ Physiological Solution and Properties of Ag-Nano-Particles Deposits. *Metals*, **2021**, 11, 1357	2.3	2
10	RuS2Nanoparticles and Their Precursors: A Theoretical Approach. *Journal of Physical Chemistry C*, **2007**, 111, 6328-6334	3.8	1
9	Fabrication of graphitic carbon nitride films by inkjet printing. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 610, 125919	5.1	1
8	Ce, Eu incorporation through doping of ALD-ZnO thin films for enhancing their photoluminescent properties. *Nanotechnology*, **2021**, 32, 145601	3.4	1
7	High non-linear electrical properties of Li3xCo7□4xSb2+xO12 a new ceramic varistor. *Journal of Alloys and Compounds*, **2021**, 878, 160356	5.7	1
6	Direct interaction of colloidal nanostructured ZnO and SnO2 with NO and SO2. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 6389-97	1.3	1
5	Tuning light transmission with smart fluids based on 1D carbon nanomaterials. *Materials Research Express*, **2019**, 6, 115086	1.7	0
4	Self-generated active sites in graphene oxide-like materials by controlling the oxidative decomposition reactions of Sargassum. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106551	6.8	0
3	Role of assisting reagents on the synthesis of □Fe2O3 by microwave-assisted hydrothermal reaction. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 9551-9566	2.1	0
2	Phase equilibria in the quasi-binary system Zn7Sb2O12□Li3Zn3Sb3O12 and thermal properties of Li3xZn7-4xSb2+xO12 solid solutions. *Ceramics International*, **2019**, 45, 23119-23125	5.1	
1	Synthesis and characterization of TiO 2 nanoparticles: anatase, brookite, and rutile **2007**, 6650, 204		