

Geonel Rodriguez Gattorno

List of Publications by Year in Descending Order

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

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	Self-generated active sites in graphene oxide-like materials by controlling the oxidative decomposition reactions of Sargassum. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106551	6.8	0
69	Thermophysical and optical properties of NiCo ₂ O ₄ @ZrO ₂ : A potential composite for thermochemical processes. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 10632-10641	6.7	2
68	Role of assisting reagents on the synthesis of Fe ₂ O ₃ by microwave-assisted hydrothermal reaction. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 9551-9566	2.1	0
67	Fabrication of graphitic carbon nitride films by inkjet printing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 610, 125919	5.1	1
66	Unraveling amazing structural features of a highly efficient Bi _x O-Co/phosphate catalyst for water oxidation. <i>Applied Catalysis B: Environmental</i> , 2021 , 282, 119549	21.8	2
65	Ce, Eu incorporation through doping of ALD-ZnO thin films for enhancing their photoluminescent properties. <i>Nanotechnology</i> , 2021 , 32, 145601	3.4	1
64	Mg-Ca _{0.3} Electrochemical Activity Exposed to Hank's Physiological Solution and Properties of Ag-Nano-Particles Deposits. <i>Metals</i> , 2021 , 11, 1357	2.3	2
63	High non-linear electrical properties of Li _{3-x} Co _{7-2x} Sb _{2+x} O ₁₂ a new ceramic varistor. <i>Journal of Alloys and Compounds</i> , 2021 , 878, 160356	5.7	1
62	An intensity-modulated photocurrent spectroscopy study of the charge carrier dynamics of WO ₃ /BiVO ₄ heterojunction systems. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 208, 110378	6.4	18
61	Fabrication of Schottky barrier diodes based on ZnO for flexible electronics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 7373-7377	2.1	7
60	"Tailoring the TiO phases through microwave-assisted hydrothermal synthesis: Comparative assessment of bactericidal activity". <i>Materials Science and Engineering C</i> , 2020 , 117, 111290	8.3	5
59	Tuning light transmission with smart fluids based on 1D carbon nanomaterials. <i>Materials Research Express</i> , 2019 , 6, 115086	1.7	0
58	Fine tuning of inkjet printability parameters for NiO nanofilms fabrication. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 583, 123959	5.1	5
57	Inkjet-Printed Reduced Graphene Oxide (rGO) Films For Electrocatalytic Applications. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H3279-H3285	3.9	8
56	Photoelectrochemical water oxidation at FTO WO ₃ @CuWO ₄ and FTO WO ₃ @CuWO ₄ BiVO ₄ heterojunction systems: An IMPS analysis. <i>Electrochimica Acta</i> , 2019 , 308, 317-327	6.7	27
55	Phase equilibria in the quasi-binary system Zn ₇ Sb ₂ O ₁₂ Li ₃ Zn ₃ Sb ₃ O ₁₂ and thermal properties of Li _{3-x} Zn _{7-4x} Sb _{2+x} O ₁₂ solid solutions. <i>Ceramics International</i> , 2019 , 45, 23119-23125	5.1	
54	Photocatalytic performance of nitrogen doped ZnO structures supported on graphene oxide for MB degradation. <i>Chemosphere</i> , 2019 , 236, 124368	8.4	20

53	Thermal Characterization of Carbon Fiber-Reinforced Carbon Composites. <i>Applied Composite Materials</i> , 2019 , 26, 321-337	2	12
52	Structural, optical and photoelectrochemical properties of Tungsten oxide thin films grown by non-reactive RF-sputtering. <i>Superlattices and Microstructures</i> , 2019 , 127, 123-127	2.8	10
51	Effects of Sintering on the Thermal and Optical Properties of Zinc Oxide Ceramic. <i>International Journal of Thermophysics</i> , 2018 , 39, 1	2.1	3
50	Stable inks for inkjet printing of TiO ₂ thin films. <i>Materials Science in Semiconductor Processing</i> , 2018 , 81, 75-81	4.3	17
49	Reversible Self-Assembly (fcc-bct) Crystallization of Confined Granular Spheres via a Shear Dimensionality Mechanism. <i>Physical Review Letters</i> , 2018 , 121, 074302	7.4	7
48	Facile synthesis of rod-shaped bismuth sulfide@graphene oxide (Bi ₂ S ₃ @GO) composite. <i>Materials Chemistry and Physics</i> , 2018 , 219, 376-389	4.4	10
47	Influence of Brookite Impurities on the Raman Spectrum of TiO ₂ Anatase Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19921-19930	3.8	33
46	Charge Transfer and Recombination Dynamics at Inkjet-Printed CuBi ₂ O ₄ Electrodes for Photoelectrochemical Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 27169-27179	3.8	27
45	Comparing the Efficiency of N-Doped TiO ₂ and N-Doped Bi ₂ MoO ₆ Photo Catalysts for MB and Lignin Photodegradation. <i>Catalysts</i> , 2018 , 8, 668	4	7
44	Electrical Characterization of Schottky Diodes Based on Inkjet-Printed TiO ₂ Films. <i>IEEE Electron Device Letters</i> , 2018 , 39, 1940-1943	4.4	8
43	Inkjet Printing as High-Throughput Technique for the Fabrication of NiCo ₂ O ₄ Films. <i>Advances in Materials Science and Engineering</i> , 2017 , 2017, 1-9	1.5	4
42	Eco-friendly synthesis of egg-white capped silver nanoparticles for rapid, selective, and sensitive detection of Hg(II). <i>MRS Communications</i> , 2017 , 7, 695-700	2.7	10
41	Charge transfer and recombination kinetics at WO ₃ for photoelectrochemical water oxidation. <i>Electrochimica Acta</i> , 2017 , 258, 900-908	6.7	20
40	Defects in Porous Networks of WO ₃ Particle Aggregates. <i>ChemElectroChem</i> , 2016 , 3, 658-667	4.3	9
39	Influence of morphology on the performance of ZnO-based dye-sensitized solar cells. <i>RSC Advances</i> , 2016 , 6, 37424-37433	3.7	15
38	Synthesis and characterization of WO ₃ polymorphs: monoclinic, orthorhombic and hexagonal structures. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 5526-5531	2.1	31
37	Properties of Poly (ethylene oxide)/ whey Protein Isolate Nanofibers Prepared by Electrospinning. <i>Food Biophysics</i> , 2015 , 10, 134-144	3.2	47
36	Photoelectrochemical water oxidation at electrophoretically deposited WO ₃ films as a function of crystal structure and morphology. <i>Electrochimica Acta</i> , 2014 , 140, 320-331	6.7	30

35	Dehydration Process of Hofmann-Type Layered Solids. <i>Materials</i> , 2013 , 6, 1452-1466	3.5	13
34	Electrodeposition of ZnO for Application in Dye-sensitized Solar Cells. <i>Journal of New Materials for Electrochemical Systems</i> , 2013 , 16, 209-215	2.8	5
33	Thermal decomposition kinetics of MgAl layered double hydroxides. <i>Materials Chemistry and Physics</i> , 2012 , 133, 621-629	4.4	43
32	Oxidative desulfurization (ODS) of organosulfur compounds catalyzed by peroxo-metallate complexes of WO_x-ZrO_2 : Thermochemical, structural, and reactivity indexes analyses. <i>Journal of Catalysis</i> , 2011 , 282, 201-208	7.3	84
31	Synthesis and Thermal Behavior of Metallic Cobalt Micro and Nanostructures. <i>Nano-Micro Letters</i> , 2011 , 3, 12-19	19.5	22
30	Hierarchically nanostructured barium sulfate fibers. <i>Langmuir</i> , 2010 , 26, 6954-9	4	31
29	The nucleation kinetics of ZnO nanoparticles from $ZnCl_2$ in ethanol solutions. <i>Nanoscale</i> , 2010 , 2, 2710-77.7		27
28	Surface acid/basic properties of WO_x-ZrO_2 and catalytic efficiency in oxidative desulfurization. <i>Applied Catalysis B: Environmental</i> , 2009 , 92, 1-8	21.8	52
27	Controlled Release of Phenytoin from Nanostructured TiO_2 Reservoirs. <i>Science of Advanced Materials</i> , 2009 , 1, 63-68	2.3	18
26	A combined theoretical-experimental study on the acidity of $WO(x)-ZrO(2)$ systems. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 4181-8	3.6	15
25	Effect of slip boundary condition on the design of nanoparticle focusing lenses. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 3741-8	1.3	7
24	Synthesis and direct interactions of silver colloidal nanoparticles with pollutant gases. <i>Colloid and Polymer Science</i> , 2008 , 286, 67-77	2.4	19
23	Phase-pure $TiO(2)$ nanoparticles: anatase, brookite and rutile. <i>Nanotechnology</i> , 2008 , 19, 145605	3.4	821
22	Direct Interaction of Colloidal Nanostructured ZnO and SnO_2 with NO and SO_2 . <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 6389-6397	1.3	5
21	Direct interaction of colloidal nanostructured ZnO and SnO_2 with NO and SO_2 . <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 6389-97	1.3	1
20	Anchoring of Silver Nanoparticles on Graphite and Isomorphous Lattices. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 5331-5336	3.8	26
19	RuS_2 Nanoparticles and Their Precursors: A Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6328-6334	3.8	1
18	Cyclohexane Ring Opening on Alumina-Supported Rh and Ir Nanoparticles. <i>Energy & Fuels</i> , 2007 , 21, 1122-1126	4.1	13

17	Structural and thermal study of carbon-modified molybdenum sub-oxide catalysts. <i>Applied Catalysis A: General</i> , 2007 , 321, 117-124	5.1	16
16	Synthesis and characterization of TiO ₂ nanoparticles: anatase, brookite, and rutile 2007 , 6650, 204		
15	Forced Hydrolysis vs Self-Hydrolysis of Zinc Acetate in Ethanol and Iso-butanol. <i>ECS Transactions</i> , 2006 , 3, 23-28	1	7
14	Tailoring Chemical Hardness in WO _x /rO ₂ System. <i>Chemistry of Materials</i> , 2006 , 18, 5446-5452	9.6	12
13	Efficient anchoring of silver nanoparticles on N-doped carbon nanotubes. <i>Small</i> , 2006 , 2, 346-50	11	138
12	Optical absorbance of colloidal suspensions of silver polyhedral nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17512-7	3.4	71
11	New insights on molybdenum suboxide: nature of carbons in isomerization reactions. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17518-25	3.4	14
10	Synthesis and characterization of RuS ₂ nanostructures. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 22715-24	3.4	10
9	One-step synthesis of Mn ₃ O ₄ nanoparticles: structural and magnetic study. <i>Journal of Colloid and Interface Science</i> , 2005 , 291, 175-80	9.3	129
8	Combined use of high resolution TGA with the isoconversion method: Kinetic analysis of the thermal dehydration of KNbWO ₆ ·H ₂ O. <i>Thermochimica Acta</i> , 2005 , 435, 176-180	2.9	8
7	Activation of CdS nanoparticles by metallic ions and their selective interactions with PAMAM dendrimers. <i>Colloid and Polymer Science</i> , 2004 , 282, 957-964	2.4	8
6	Oxidation process of MoO _x Cy to MoO ₃ : kinetics and mechanism. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3281-3289	3.3	16
5	Synthesis of ZnO nanoparticles on a clay mineral surface in dimethyl sulfoxide medium. <i>Langmuir</i> , 2004 , 20, 2855-60	4	80
4	An Elementary Picture of Dielectric Spectroscopy in Solids: Physical Basis. <i>Journal of Chemical Education</i> , 2003 , 80, 1062	2.4	60
3	Novel Synthesis Pathway of ZnO Nanoparticles from the Spontaneous Hydrolysis of Zinc Carboxylate Salts. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 12597-12604	3.4	99
2	Metallic Nanoparticles from Spontaneous Reduction of Silver(I) in DMSO. Interaction between Nitric Oxide and Silver Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 2482-2487	3.4	131
1	CeO ₂ thin films by flash evaporation. <i>Solid State Ionics</i> , 1997 , 96, 89-93	3.3	30