Gonzalo Otero

List of Publications by Year
in descending order

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54 papers	1,649 citations	304368 22 h-index	288905 40 g-index
54 all docs	54 docs citations	54 times ranked	2954 citing authors

#	Article	IF	Citations
1	Investigation of temperature and frequency dependence of the dielectric properties of multiferroic (La_{0.8}Ca_{0.2})_{0.4}Bi_{0.6}FeO₃nanoparticles for energy storage application. RSC Advances, 2022, 12, 6907-6917.	1.7	11
2	Immobilised rGO/TiO2 Nanocomposite for Multi-Cycle Removal of Methylene Blue Dye from an Aqueous Medium. Applied Sciences (Switzerland), 2022, 12, 385.	1.3	13
3	Joining Caffeic Acid and Hydrothermal Treatment to Produce Environmentally Benign Highly Reduced Graphene Oxide. Nanomaterials, 2021, 11, 732.	1.9	5
4	Graphene-Based TiO2 Nanocomposite for Photocatalytic Degradation of Dyes in Aqueous Solution under Solar-Like Radiation. Applied Sciences (Switzerland), 2021, 11, 3966.	1.3	37
5	Poly (L-lactic acid) coatings on 316 SS substrates for biomedical devices: The impact of surface silanization. Progress in Organic Coatings, 2021, 157, 106289.	1.9	7
6	Sustainable and recoverable waste-based magnetic nanocomposites used for the removal of pharmaceuticals from wastewater. Chemical Engineering Journal, 2021, 426, 129974.	6.6	11
7	Energy storage of supercapacitor electrodes on carbon cloth enhanced by graphene oxide aerogel reducing conditions. Journal of Energy Storage, 2020, 32, 101839.	3.9	23
8	Onâ€Surface Driven Formal Michael Addition Produces m â€Polyaniline Oligomers on Pt(111). Angewandte Chemie - International Edition, 2020, 59, 23220-23227.	7.2	5
9	Onâ€Surface Driven Formal Michael Addition Produces m â€Polyaniline Oligomers on Pt(111). Angewandte Chemie, 2020, 132, 23420-23427.	1.6	1
10	3D Reduced Graphene Oxide Scaffolds with a Combinatorial Fibrous-Porous Architecture for Neural Tissue Engineering. ACS Applied Materials & Interfaces, 2020, 12, 38962-38975.	4.0	44
11	Role of the Metal Surface on the Room Temperature Activation of the Alcohol and Amino Groups of p-Aminophenol. Journal of Physical Chemistry C, 2020, 124, 19655-19665.	1.5	2
12	Chemical Changes of Graphene Oxide Thin Films Induced by Thermal Treatment under Vacuum Conditions. Coatings, 2020, 10, 113.	1.2	13
13	The growth and improved magnetoelectric response of strain-modified Aurivillius SrBi_{4.25}La_{0.75}Ti₄FeO₁₈ thin films. Dalton Transactions, 2019, 48, 13224-13241.	1.6	12
14	Thermal vapor sulfurization of molybdenum layers. Thin Solid Films, 2019, 691, 137588.	0.8	0
15	Solid-Gas Phase Photo-Catalytic Behaviour of Rutile and TiOn (1 < n < 2) Sub-Oxide Phases for Self-Cleaning Applications. Materials, 2019, 12, 170.	1.3	6
16	Ultrasonic irradiation as a green production route for coupling crystallinity and high specific surface area in iron nanomaterials. Journal of Cleaner Production, 2019, 211, 185-197.	4.6	30
17	Thermoelectric performance of Nb-doped SrTiO3 enhanced by reduced graphene oxide and Sr deficiency cooperation. Carbon, 2019, 143, 215-222.	5.4	69
18	Graphene Based Sensors for Air Quality Monitoring â€“ Preliminary Development Evaluation. Journal of Coating Science and Technology, 2019, 6, 10-21.	0.3	0

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19	Chemistry below graphene: Decoupling epitaxial graphene from metals by potential-controlled electrochemical oxidation. Carbon, 2018, 129, 837-846.	5.4	30
20	Pressure-dependent large area synthesis and electronic structure of MoS 2. Materials Research Bulletin, 2018, 97, 265-271.	2.7	5
21	Reductive nanometric patterning of graphene oxide paper using electron beam lithography. Carbon, 2018, 129, 63-75.	5.4	17
22	Onâ€Surface Bottomâ€Up Synthesis of Azine Derivatives Displaying Strong Acceptor Behavior. Angewandte Chemie, 2018, 130, 8718-8722.	1.6	7
23	Onâ€Surface Bottomâ€Up Synthesis of Azine Derivatives Displaying Strong Acceptor Behavior. Angewandte Chemie - International Edition, 2018, 57, 8582-8586.	7.2	13
24	Charge injection in large area multilayer graphene by ambient Kelvin probe force microscopy. Applied Materials Today, 2017, 8, 18-25.	2.3	11
25	Exploring the Thermoelectric Performance of BaGd₂NiO₅ Haldane Gap Materials. Inorganic Chemistry, 2017, 56, 2354-2362.	1.9	6
26	High-quality PVD graphene growth by fullerene decomposition on Cu foils. Carbon, 2017, 119, 535-543.	5.4	29
27	Purely Visible-Light-Induced Photochromism in Agâ€“TiO₂ Nanoheterostructures. Langmuir, 2017, 33, 4890-4902.	1.6	38
28	Optimization of post-deposition annealing in Cu 2 ZnSnS 4 thin film solar cells and its impact on device performance. Solar Energy Materials and Solar Cells, 2017, 170, 287-294.	3.0	48
29	Defect concentration in nitrogen-doped graphene grown on Cu substrate: A thickness effect. Physica B: Condensed Matter, 2017, 513, 62-68.	1.3	3
30	Evolution of reduced Ti containing phase(s) in MgH 2 /TiO 2 system and its effect on the hydrogen storage behavior of MgH 2. Journal of Power Sources, 2017, 362, 174-183.	4.0	83
31	Role of the Pinning Points in epitaxial Graphene MoirÃ© Superstructures on the Pt(111) Surface. Scientific Reports, 2016, 6, 20354.	1.6	18
32	Heat transfer and friction factor of multi-walled carbon nanotubesâ€“Fe 3 O 4 nanocomposite nanofluids flow in a tube with/without longitudinal strip inserts. International Journal of Heat and Mass Transfer, 2016, 100, 691-703.	2.5	62
33	Electrostatic self-assembled graphene oxide-collagen scaffolds towards a three-dimensional microenvironment for biomimetic applications. RSC Advances, 2016, 6, 49039-49051.	1.7	35
34	Effects of Additives on Kinetics, Morphologies and Lead-Sensing Property of Electrodeposited Bismuth Films. Journal of Physical Chemistry C, 2016, 120, 22398-22406.	1.5	31
35	Crystal structure, phase stoichiometry and chemical environment of MgxNbyOx+y nanoparticles and their impact on hydrogen storage in MgH2. International Journal of Hydrogen Energy, 2016, 41, 11709-11715.	3.8	26
36	Thermal conductivity and viscosity of hybrid nanfluids prepared with magnetic nanodiamond-cobalt oxide (ND-Co3O4) nanocomposite. Case Studies in Thermal Engineering, 2016, 7, 66-77.	2.8	106

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37	Adsorption and coupling of 4-aminophenol on Pt(111) surfaces. Surface Science, 2016, 646, 5-12.	0.8	8
38	On-surface self-organization of a robust metalâ€“organic cluster based on copper(<scp>i</scp>) with chloride and organosulphur ligands. Chemical Communications, 2015, 51, 3243-3246.	2.2	4
39	Nitrogen-modified nano-titania: True phase composition, microstructure and visible-light induced photocatalytic NO abatement. Journal of Solid State Chemistry, 2015, 231, 87-100.	1.4	18
40	Densely Packed Perylene Layers on the Rutile TiO₂(110)-(1 Ã— 1) Surface. Journal of Physical Chemistry C, 2015, 119, 7809-7816.	1.5	11
41	Quantitative XRD characterisation and gas-phase photocatalytic activity testing for visible-light (indoor applications) of KRONOClean 7000Â®. RSC Advances, 2015, 5, 102911-102918.	1.7	40
42	Massive Surface Reshaping Mediated by Metalâ€“Organic Complexes. Journal of Physical Chemistry C, 2014, 118, 29704-29712.	1.5	28
43	Vacancy formation on C60/Pt (111): unraveling the complex atomistic mechanism. Nanotechnology, 2014, 25, 385602.	1.3	25
44	Tailored Formation of N-Doped Nanoarchitectures by Diffusion-Controlled on-Surface (Cyclo)Dehydrogenation of Heteroaromatics. ACS Nano, 2013, 7, 3676-3684.	7.3	52
45	Commensurate Growth of Densely Packed PTCDI Islands on the Rutile TiO2(110) Surface. Journal of Physical Chemistry C, 2013, 117, 12639-12647.	1.5	21
46	Strain-Driven MoirÃ© Superstructures of Epitaxial Graphene on Transition Metal Surfaces. ACS Nano, 2011, 5, 5627-5634.	7.3	155
47	STM study of C60 overlayers on Pt(111) surfaces. Vacuum, 2011, 85, 1059-1062.	1.6	3
48	Spontaneous Discrimination of Polycyclic Aromatic Hydrocarbon (PAH) Enantiomers on a Metal Surface. Chemistry - A European Journal, 2010, 16, 13920-13924.	1.7	8
49	Ordered Vacancy Network Induced by the Growth of Epitaxial Graphene on Pt(111). Physical Review Letters, 2010, 105, 216102.	2.9	70
50	Morphological Investigation of Mn₁₂Single-Molecule Magnets Adsorbed on Au(111). Langmuir, 2009, 25, 10107-10115.	1.6	9
51	Fullerenes from aromatic precursors by surface-catalysed cyclodehydrogenation. Nature, 2008, 454, 865-868.	13.7	291
52	Nanostructured Organic Material: From Molecular Chains to Organic Nanodots. Advanced Materials, 2006, 18, 2048-2052.	11.1	37
53	Angular dependence of electron emission induced by grazing-ionâ€“surface collisions. Physical Review A, 2004, 69, .	1.0	5
54	Interaction of keV ions with insulator films at grazing incidence: growth characterization and electron emission. Nuclear Instruments & Methods in Physics Research B, 2003, 203, 41-48.	0.6	7