

Cristina NavÃ-o

List of Publications by Year in descending order

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44
papers

1,439
citations

304743

22
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315739

38
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docs citations

44
times ranked

2648
citing authors

#	ARTICLE	IF	CITATIONS
1	Au nanoparticle-functionalised WO ₃ nanoneedles and their application in high sensitivity gas sensor devices. <i>Chemical Communications</i> , 2011, 47, 565-567.	4.1	204
2	Gold clusters on WO ₃ nanoneedles grown via AACVD: XPS and TEM studies. <i>Materials Chemistry and Physics</i> , 2012, 134, 809-813.	4.0	83
3	Intrinsic surface band bending in Cu_3N films. <i>Physical Review B</i> , 2007, 76.	3.2	74
4	Mild Covalent Functionalization of Transition Metal Dichalcogenides with Maleimides: A "Click" Reaction for 2H-MoS ₂ and WS ₂ . <i>Journal of the American Chemical Society</i> , 2019, 141, 3767-3771.	13.7	72
5	Highly sensitive hydrogen sensors based on co-sputtered platinum-activated tungsten oxide films. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1107-1114.	7.1	71
6	Synthesis and Characterization of Boron Azadipyrromethene Single-Wall Carbon Nanotube Electron Donor-Acceptor Conjugates. <i>ACS Nano</i> , 2011, 5, 1198-1206.	14.6	70
7	Reversing the Thermal Stability of a Molecular Switch on a Gold Surface: Ring-Opening Reaction of Nitrospiropyran. <i>Journal of the American Chemical Society</i> , 2009, 131, 12729-12735.	13.7	65
8	Critical Investigation of Defect Site Functionalization on Single-Walled Carbon Nanotubes. <i>Chemistry of Materials</i> , 2011, 23, 67-74.	6.7	54
9	Gas-Phase Functionalization of Macroscopic Carbon Nanotube Fiber Assemblies: Reaction Control, Electrochemical Properties, and Use for Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5760-5770.	8.0	53
10	Controlled carboxylic acid introduction: a route to highly purified oxidised single-walled carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2011, 21, 17881.	6.7	51
11	Gallium plasmonic nanoparticles for label-free DNA and single nucleotide polymorphism sensing. <i>Nanoscale</i> , 2016, 8, 9842-9851.	5.6	51
12	Spatially Resolved, Site-Dependent Charge Transfer and Induced Magnetic Moment in TCNQ Adsorbed on Graphene. <i>Chemistry of Materials</i> , 2014, 26, 2883-2890.	6.7	42
13	Atomic Oxygen Functionalization of Vertically Aligned Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20412-20418.	3.1	41
14	Size, Shape, and Phase Control in Ultrathin CdSe Nanosheets. <i>Nano Letters</i> , 2017, 17, 4165-4171.	9.1	41
15	A MoS ₂ platform and thionine-carbon nanodots for sensitive and selective detection of pathogens. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113375.	10.1	39
16	Nonmagnetic FeN_3 films epitaxially grown on Cu(001): Electronic structure and thermal stability. <i>Physical Review B</i> , 2008, 78, .	3.2	38
17	Thermal stability of Cu and Fe nitrides and their applications for writing locally spin valves. <i>Applied Physics Letters</i> , 2009, 94, 263112.	3.3	32
18	Temperature, Surface, and Coverage-Induced Conformational Changes of Azobenzene Derivatives on Cu(001). <i>Journal of Physical Chemistry C</i> , 2009, 113, 20307-20315.	3.1	31

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19	Electronic structure of ultrathin Fe ₄ N(100) films epitaxially grown on Cu(100). <i>Physical Review B</i> , 2007, 75, .	3.2	30
20	Study of selectivity of NO ₂ sensors composed of WO ₃ and MnO ₂ thin films grown by radio frequency sputtering. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 914-922.	7.8	30
21	Preparation of highly selective, sensitive and stable hydrogen sensors based on Pd-doped tungsten trioxide. <i>Procedia Engineering</i> , 2010, 5, 180-183.	1.2	29
22	Bimodal supramolecular functionalization of carbon nanotubes triggered by covalent bond formation. <i>Chemical Science</i> , 2017, 8, 1927-1935.	7.4	29
23	Formation of a non-magnetic metallic iron nitride layer on bcc Fe(100). <i>New Journal of Physics</i> , 2010, 12, 073004.	2.9	22
24	Study of the electronic structure of electron accepting cyano-films: TCNQ versus TCNE. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 10450-10459.	2.8	21
25	The influence of cation incorporation and leaching in the properties of Mn-doped nanoparticles for biomedical applications. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 510-521.	9.4	21
26	Vertically aligned carbon nanotubes: Synthesis and atomic oxygen functionalization. <i>Surface and Coatings Technology</i> , 2011, 205, S592-S596.	4.8	18
27	Study of high In-content AlInN deposition on p-Si(111) by RF-sputtering. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 05FB07.	1.5	16
28	Covalent modification of franckeite with maleimides: connecting molecules and van der Waals heterostructures. <i>Nanoscale Horizons</i> , 2021, 6, 551-558.	8.0	14
29	High coercive LTP-MnBi for high temperature applications: From isolated particles to film-like structures. <i>Journal of Alloys and Compounds</i> , 2017, 729, 1156-1164.	5.5	13
30	Ultrathin films of L1-MnAl on GaAs (001): A hard magnetic MnAl layer onto a soft Mn-Ga-As-Al interface. <i>APL Materials</i> , 2018, 6, .	5.1	12
31	On the nature of solvothermally synthesized carbon nanodots. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16935-16944.	5.5	11
32	Thermally Activated Processes for Ferromagnet Intercalation in Graphene-Heavy Metal Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4088-4096.	8.0	10
33	Iron oxide-manganese oxide nanoparticles with tunable morphology and switchable MRI contrast mode triggered by intracellular conditions. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 447-460.	9.4	10
34	Fluorescent C-NanoDots for rapid detection of BRCA1, CFTR and MRP3 gene mutations. <i>Mikrochimica Acta</i> , 2019, 186, 293.	5.0	8
35	Inter-grain effects on the magnetism of M-type strontium ferrite. <i>Journal of Alloys and Compounds</i> , 2017, 692, 280-287.	5.5	6
36	Adsorption of carboxymethyl ester-azobenzene on copper and gold single crystal surfaces. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 261-266.	2.3	5

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37	TCNQ Grown on Cu (001): Its Atomic and Electronic Structure Determination. Journal of Physical Chemistry C, 2016, 120, 26889-26898.	3.1	5
38	Cu diffusion as an alternative method for nanopatterned CuTCNQ film growth. Journal of Physics Condensed Matter, 2016, 28, 185002.	1.8	4
39	Stronger aramids through molecular design and nanoprocessing. Polymer Chemistry, 2020, 11, 1489-1495.	3.9	4
40	Effective control of the magnetic anisotropy in ferromagnetic MnBi micro-islands. Journal of Alloys and Compounds, 2021, 852, 156731.	5.5	3
41	Synthesis and Characterization of Sodium Titanate and TiO ₂ Nanostructures Loaded with Silver Nanoparticles. , 2011, , .		2
42	Inorganically coated colloidal quantum dots in polar solvents using a microemulsion-assisted method. Physical Chemistry Chemical Physics, 2017, 19, 1999-2007.	2.8	2
43	MnBi thin films for high temperature permanent magnet applications. AIP Advances, 2019, 9, .	1.3	2
44	Improvement in selectivity of NO ₂ sensors based on WO ₃ thin films with MnO ₂ filters deposited by radio frequency sputtering. , 2011, , .		0