

# Cristina NavÃ-o

## List of Publications by Year in descending order

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44  
papers

1,439  
citations

304743

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docs citations

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times ranked

2648  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Effective control of the magnetic anisotropy in ferromagnetic MnBi micro-islands. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156731.	5.5	3
3	Covalent modification of franckeite with maleimides: connecting molecules and van der Waals heterostructures. <i>Nanoscale Horizons</i> , 2021, 6, 551-558.	8.0	14
4	A MoS <sub>2</sub> platform and thionine-carbon nanodots for sensitive and selective detection of pathogens. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113375.	10.1	39
5	On the nature of solvothermally synthesized carbon nanodots. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16935-16944.	5.5	11
6	Stronger aramids through molecular design and nanoprocessing. <i>Polymer Chemistry</i> , 2020, 11, 1489-1495.	3.9	4
7	Thermally Activated Processes for Ferromagnet Intercalation in Graphene-Heavy Metal Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4088-4096.	8.0	10
8	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
9	Mild Covalent Functionalization of Transition Metal Dichalcogenides with Maleimides: A "Click" Reaction for 2H-MoS <sub>2</sub> and WS <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2019, 141, 3767-3771.	13.7	72
10	Fluorescent C-NanoDots for rapid detection of BRCA1, CFTR and MRP3 gene mutations. <i>Mikrochimica Acta</i> , 2019, 186, 293.	5.0	8
11	MnBi thin films for high temperature permanent magnet applications. <i>AIP Advances</i> , 2019, 9, .	1.3	2
12	Gas-Phase Functionalization of Macroscopic Carbon Nanotube Fiber Assemblies: Reaction Control, Electrochemical Properties, and Use for Flexible Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5760-5770.	8.0	53
13	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
14	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
15	Size, Shape, and Phase Control in Ultrathin CdSe Nanosheets. <i>Nano Letters</i> , 2017, 17, 4165-4171.	9.1	41
16	Inorganically coated colloidal quantum dots in polar solvents using a microemulsion-assisted method. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1999-2007.	2.8	2
17	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
18	Bimodal supramolecular functionalization of carbon nanotubes triggered by covalent bond formation. <i>Chemical Science</i> , 2017, 8, 1927-1935.	7.4	29

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19	Inter-grain effects on the magnetism of M-type strontium ferrite. Journal of Alloys and Compounds, 2017, 692, 280-287.	5.5	6
20	Cu diffusion as an alternative method for nanopatterned CuTCNQ film growth. Journal of Physics Condensed Matter, 2016, 28, 185002.	1.8	4
21	TCNQ Grown on Cu (001): Its Atomic and Electronic Structure Determination. Journal of Physical Chemistry C, 2016, 120, 26889-26898.	3.1	5
22	Study of high In-content AlInN deposition on p-Si(111) by RF-sputtering. Japanese Journal of Applied Physics, 2016, 55, 05FB07.	1.5	16
23	Gallium plasmonic nanoparticles for label-free DNA and single nucleotide polymorphism sensing. Nanoscale, 2016, 8, 9842-9851.	5.6	51
24	Spatially Resolved, Site-Dependent Charge Transfer and Induced Magnetic Moment in TCNQ Adsorbed on Graphene. Chemistry of Materials, 2014, 26, 2883-2890.	6.7	42
25	Gold clusters on WO <sub>3</sub> nanoneedles grown via AACVD: XPS and TEM studies. Materials Chemistry and Physics, 2012, 134, 809-813.	4.0	83
26	Study of selectivity of NO <sub>2</sub> sensors composed of WO <sub>3</sub> and MnO <sub>2</sub> thin films grown by radio frequency sputtering. Sensors and Actuators B: Chemical, 2012, 161, 914-922.	7.8	30
27	Critical Investigation of Defect Site Functionalization on Single-Walled Carbon Nanotubes. Chemistry of Materials, 2011, 23, 67-74.	6.7	54
28	Controlled carboxylic acid introduction: a route to highly purified oxidised single-walled carbon nanotubes. Journal of Materials Chemistry, 2011, 21, 17881.	6.7	51
29	Au nanoparticle-functionalised WO <sub>3</sub> nanoneedles and their application in high sensitivity gas sensor devices. Chemical Communications, 2011, 47, 565-567.	4.1	204
30	Improvement in selectivity of NO <sub>2</sub> sensors based on WO <sub>3</sub> thin films with MnO <sub>2</sub> filters deposited by radio frequency sputtering. , 2011, , .		0
31	Synthesis and Characterization of Boron Azadipyromethene Single-Wall Carbon Nanotube Electron Donor~Acceptor Conjugates. ACS Nano, 2011, 5, 1198-1206.	14.6	70
32	Atomic Oxygen Functionalization of Vertically Aligned Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 20412-20418.	3.1	41
33	Synthesis and Characterization of Sodium Titanate and TiO <sub>2</sub> Nanostructures Loaded with Silver Nanoparticles. , 2011, , .		2
34	Vertically aligned carbon nanotubes: Synthesis and atomic oxygen functionalization. Surface and Coatings Technology, 2011, 205, S592-S596.	4.8	18
35	Highly sensitive hydrogen sensors based on co-sputtered platinum-activated tungsten oxide films. International Journal of Hydrogen Energy, 2011, 36, 1107-1114.	7.1	71
36	Preparation of highly selective, sensitive and stable hydrogen sensors based on Pd-doped tungsten trioxide. Procedia Engineering, 2010, 5, 180-183.	1.2	29

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37	Formation of a non-magnetic metallic iron nitride layer on bcc Fe(100). New Journal of Physics, 2010, 12, 073004.	2.9	22
38	Thermal stability of Cu and Fe nitrides and their applications for writing locally spin valves. Applied Physics Letters, 2009, 94, 263112.	3.3	32
39	Temperature, Surface, and Coverage-Induced Conformational Changes of Azobenzene Derivatives on Cu(001). Journal of Physical Chemistry C, 2009, 113, 20307-20315.	3.1	31
40	Reversing the Thermal Stability of a Molecular Switch on a Gold Surface: Ring-Opening Reaction of Nitrospiropyran. Journal of the American Chemical Society, 2009, 131, 12729-12735.	13.7	65
41	Adsorption of carboxymethylester-azobenzene on copper and gold single crystal surfaces. Applied Physics A: Materials Science and Processing, 2008, 93, 261-266.	2.3	5
42	Nonmagnetic $\text{FeN}_3$ films epitaxially grown on Cu(001): Electronic structure and thermal stability. Physical Review B, 2008, 78, .	3.2	38
43	Electronic structure of ultrathin $\text{Fe}_4\text{N}(100)$ films epitaxially grown on Cu(100). Physical Review B, 2007, 75, .	3.2	30
44	Intrinsic surface band bending in $\text{Cu}_3\text{N}$ films. Physical Review B, 2007, 76, .	3.2	74