

Yuri Antonio Diaz Fernandez

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

2,228
citations

23
h-index

46
g-index

73
ext. papers

2,442
ext. citations

6.3
avg, IF

4.5
L-index

#	Paper	IF	Citations
70	Effect of Local Topography on Cell Division of spp.. <i>Nanomaterials</i> , 2022 , 12,	5.4	1
69	Gold Nanostars Embedded in PDMS Films: A Photothermal Material for Antibacterial Applications.. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
68	PVA Films with Mixed Silver Nanoparticles and Gold Nanostars for Intrinsic and Photothermal Antibacterial Action. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
67	One-step preparation of antimicrobial silicone materials based on PDMS and salicylic acid: insights from spatially and temporally resolved techniques. <i>Npj Biofilms and Microbiomes</i> , 2021 , 7, 51	8.2	1
66	Ion shuttling between emulsion droplets by crown ether modified gold nanoparticles. <i>Nanoscale Advances</i> , 2021 , 3, 3136-3144	5.1	1
65	Fast dissolution of silver nanoparticles at physiological pH. <i>Journal of Colloid and Interface Science</i> , 2020 , 563, 177-188	9.3	13
64	Increased Antibacterial and Antibiofilm Properties of Silver Nanoparticles Using Silver Fluoride as Precursor. <i>Molecules</i> , 2020 , 25,	4.8	3
63	Applications in catalysis, photochemistry, and photodetection: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 479-499	3.6	2
62	Theory of hot electrons: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 245-281	3.6	15
61	Dynamics of hot electron generation in metallic nanostructures: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 123-146	3.6	13
60	New materials for hot electron generation: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 365-386	3.6	4
59	Exploiting Covalent, H-Bonding, and π -Interactions to Design Antibacterial PDMS Interfaces That Load and Release Salicylic Acid.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4801-4811	4.1	5
58	Glycan interactions on glycocalyx mimetic surfaces: general discussion. <i>Faraday Discussions</i> , 2019 , 219, 183-188	3.6	
57	New directions in surface functionalization and characterization: general discussion. <i>Faraday Discussions</i> , 2019 , 219, 252-261	3.6	
56	Preparation of multivalent glycan micro- and nano-arrays: general discussion. <i>Faraday Discussions</i> , 2019 , 219, 128-137	3.6	1
55	Bacterial Footprints in Elastic Pillared Microstructures.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1294-1300	4.1	6
54	Modified Mesoporous Silica Nanoparticles with a Dual Synergetic Antibacterial Effect. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38364-38372	9.5	47

53	Probing properties of molecule-based interface systems: general discussion and Concluding Remarks. <i>Faraday Discussions</i> , 2017 , 204, 503-530	3.6	
52	Supramolecular effects in self-assembled monolayers: general discussion. <i>Faraday Discussions</i> , 2017 , 204, 123-158	3.6	2
51	Preparing macromolecular systems on surfaces: general discussion. <i>Faraday Discussions</i> , 2017 , 204, 395-418	3.6	2
50	Supramolecular systems at liquid-solid interfaces: general discussion. <i>Faraday Discussions</i> , 2017 , 204, 271-295	3.6	2
49	Modular approach for bimodal antibacterial surfaces combining photo-switchable activity and sustained biocidal release. <i>Scientific Reports</i> , 2017 , 7, 5259	4.9	30
48	Exploring the science of thinking independently together: Faraday Discussion Volume 204 - Complex Molecular Surfaces and Interfaces, Sheffield, UK, July 2017. <i>Chemical Communications</i> , 2017 , 53, 12601-12607	5.8	
47	Pattern Formation by Staphylococcus epidermidis via Droplet Evaporation on Micropillars Arrays at a Surface. <i>Langmuir</i> , 2016 , 32, 7159-69	4	18
46	Bacterial viability on chemically modified silicon nanowire arrays. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3104-3112	7.3	27
45	Hydride formation thermodynamics and hysteresis in individual Pd nanocrystals with different size and shape. <i>Nature Materials</i> , 2015 , 14, 1236-44	27	127
44	Silane-coated magnetic nanoparticles with surface thiol functions for conjugation with gold nanostars. <i>Dalton Transactions</i> , 2015 , 44, 21088-98	4.3	4
43	Coordination chemistry of surface-grafted ligands for antibacterial materials. <i>Coordination Chemistry Reviews</i> , 2014 , 275, 37-53	23.2	34
42	The conquest of middle-earth: combining top-down and bottom-up nanofabrication for constructing nanoparticle based devices. <i>Nanoscale</i> , 2014 , 6, 14605-16	7.7	29
41	Single-molecule electronics: from chemical design to functional devices. <i>Chemical Society Reviews</i> , 2014 , 43, 7378-411	58.5	343
40	Research Update: Progress in synthesis of nanoparticle dimers by self-assembly. <i>APL Materials</i> , 2014 , 2, 010702	5.7	19
39	A versatile self-assembly strategy for the synthesis of shape-selected colloidal noble metal nanoparticle heterodimers. <i>Langmuir</i> , 2014 , 30, 3041-50	4	62
38	Other nanoparticles: general discussion. <i>Faraday Discussions</i> , 2014 , 175, 289-303	3.6	
37	Mixing thiols on the surface of silver nanoparticles: preserving antibacterial properties while introducing SERS activity. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	18
36	Progress in self-assembled single-molecule electronic devices. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7127	7.1	30

35	Labeling interacting configurations through an analysis of excitation dynamics in a resonant photoemission experiment: the case of rutile TiO ₂ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 075502 ¹⁸	10
34	Antibacterial activity of glutathione-coated silver nanoparticles against Gram positive and Gram negative bacteria. <i>Langmuir</i> , 2012 , 28, 8140-8	4 231
33	Optical method for predicting the composition of self-assembled monolayers of mixed thiols on surfaces coated with silver nanoparticles. <i>Langmuir</i> , 2012 , 28, 3558-68	4 14
32	Exploiting micelle-driven coordination to evaluate the lipophilicity of molecules. <i>Langmuir</i> , 2012 , 28, 9930-43	4 4
31	Controlled synthesis of gold nanostars by using a zwitterionic surfactant. <i>Chemistry - A European Journal</i> , 2012 , 18, 9381-90	4.8 69
30	Nanoscale phase separation in coated Ag nanoparticles. <i>Nanoscale</i> , 2011 , 3, 4220-5	7.7 4
29	Combined Neutron and Synchrotron X-ray Diffraction Investigation of the BaCe _{0.85-x} Zr _x Y _{0.15} O _{3-(0.1-x)0.4} Proton Conductors. <i>Chemistry of Materials</i> , 2011 , 23, 1323-1330	9.6 26
28	Synthesis, characterization and antibacterial activity against Gram positive and Gram negative bacteria of biomimetically coated silver nanoparticles. <i>Langmuir</i> , 2011 , 27, 9165-73	4 169
27	Synthesis of branched Au nanoparticles with tunable near-infrared LSPR using a zwitterionic surfactant. <i>Chemical Communications</i> , 2011 , 47, 1315-7	5.8 72
26	Role of oxygen content on the magnetic properties of epitaxial anatase and rutile TiO ₂ thin films. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 072030	0.3 2
25	Response to "Comment on 'Enhancement of room temperature ferromagnetism in N-doped TiO(2-x) rutile: Correlation with the local electronic properties'" [Appl. Phys. Lett. 97, 186101(2010)]. <i>Applied Physics Letters</i> , 2010 , 97, 186102	3.4 4
24	Enhancement of room temperature ferromagnetism in N-doped TiO ₂ rutile: Correlation with the local electronic properties. <i>Applied Physics Letters</i> , 2010 , 97, 012506	3.4 35
23	High-temperature neutron diffraction study of La _{2-x} Sr _x CoO ₄ : Correlation between structure and transport properties. <i>Physical Review B</i> , 2010 , 82,	3.3 24
22	Multicomponent polymeric micelles based on polyaspartamide as tunable fluorescent pH-window biosensors. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 29-35	11.8 11
21	A micellar multitasking device: sensing pH windows and gauging the lipophilicity of drugs with fluorescent signals. <i>Chemistry - A European Journal</i> , 2010 , 16, 1289-95	4.8 24
20	TiO ₂ thin films for spintronics application: a Raman study. <i>Journal of Raman Spectroscopy</i> , 2010 , 41, 558-565	66
19	Self-assembled monolayers of silver nanoparticles firmly grafted on glass surfaces: low Ag ⁺ release for an efficient antibacterial activity. <i>Journal of Colloid and Interface Science</i> , 2010 , 350, 110-6	9.3 118
18	Charge ordering driven metal-insulator transition in the layered cobaltite HoBaCo ₂ O _{5.5} . <i>Physical Review B</i> , 2009 , 80,	3.3 9

17	Control of F-doping in pnictide high-temperature superconductors. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12044-5	16.4	17
16	Micelles as nanosized containers for the self-assembly of multicomponent fluorescent sensors. <i>Coordination Chemistry Reviews</i> , 2009 , 253, 2226-2240	23.2	89
15	The Cu(II) complex of a C-lipophilized 13aneN4 macrocycle with an additional protonable amino group as micellar anion receptor. <i>Dalton Transactions</i> , 2009 , 6751-8	4.3	14
14	Smoothly shifting fluorescent windows: a tunable "off-on-off" micellar sensor for pH. <i>Analyst, The</i> , 2009 , 134, 2147-52	5	19
13	Effect of oxygen content on properties of the HoBaCo ₂ O _{5+δ} layered cobaltite. <i>Physical Review B</i> , 2008 , 78,	3.3	14
12	Flexible deposition of nanocrystalline vanadium oxide thin films. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5190		2
11	Micelles as containers for self-assembled nanodevices: a fluorescent sensor for lipophilicity. <i>ChemPhysChem</i> , 2008 , 9, 1729-37	3.2	17
10	Structure and magnetism of HoBaCo ₂ O _{5+δ} layered cobaltites with 0.02 $\leq\delta\leq$ 0.22. <i>Solid State Communications</i> , 2008 , 148, 87-90	1.6	14
9	Fluorescent sensors for Hg(2+) in micelles: a new approach that transforms an ON-OFF into an OFF-ON response as a function of the lipophilicity of the receptor. <i>Chemistry - A European Journal</i> , 2007 , 13, 178-87	4.8	49
8	Effect of surfactant structure on the residual fluorescence of micelle-based fluorescent probes. <i>Journal of Colloid and Interface Science</i> , 2007 , 313, 638-44	9.3	10
7	Micelles for the self-assembly of "off-on-off" fluorescent sensors for pH windows. <i>Chemistry - A European Journal</i> , 2006 , 12, 921-30	4.8	78
6	Structure and dynamics of micelle-based fluorescent sensor for transition metals. <i>Chemical Physics Letters</i> , 2004 , 398, 245-249	2.5	23
5	Using micelles for a new approach to fluorescent sensors for metal cations. <i>Chemical Communications</i> , 2004 , 1650-1	5.8	79
4	Bis-bidentate vs. bis-tridentate imino-heterocycle ligands in the formation of dinuclear helical complexes of Fe(II). <i>Dalton Transactions</i> , 2003 , 575-580	4.3	8
3	Double helical and monomeric Ag(I) and Zn(II) complexes of 1,2-cyclohexanediyl-bis(iminophenanthridine) ligands. <i>Dalton Transactions</i> , 2003 , 4340	4.3	15
2	A Solvent-Dependent and Electrochemically Controlled Self-Assembling/Disassembling System. <i>Collection of Czechoslovak Chemical Communications</i> , 2003 , 68, 1647-1662		2
1	Influence of organic additives on the cloud point of PONPE-7.5. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 5004-5006	3.6	23