Angel A Marti

List of Publications by Year
in descending order

104 papers	7,408 citations	87888 38 h-index	54911 84 g-index
108 all docs	108 docs citations	108 times ranked	11150 citing authors

#	Article	IF	Citations
1	A simple graphene modified electrode for the determination of antimony(III) in edible plants and beverage. Food Chemistry, 2022, 367, 130676.	8.2	3
2	Exploring the Photophysical Properties of UiO-67 MOF Doped with Rhenium Carbonyl Complexes. Journal of Photochemistry and Photobiology, 2022, , 100127.	2.5	1
3	Liquid crystals of neat boron nitride nanotubes and their assembly into ordered macroscopic materials. Nature Communications, 2022, 13, .	12.8	16
4	Luminescent hybrid biocomposite films derived from animal skin waste. Carbon Trends, 2021, 4, 100059.	3.0	5
5	Probing Amyloid Nanostructures Using Photoluminescent Metal Complexes. European Journal of Inorganic Chemistry, 2021, 2021, 4408-4424.	2.0	4
6	Understanding the Exfoliation and Dispersion of Hexagonal Boron Nitride Nanosheets by Surfactants: Implications for Antibacterial and Thermally Resistant Coatings. ACS Applied Nano Materials, 2021, 4, 142-151.	5.0	20
7	Fluorescent surfactants from common dyes â€“ Rhodamine B and Eosin Y. Pure and Applied Chemistry, 2020, 92, 265-274.	1.9	10
8	Facile synthesis of highly fluorescent free-standing films comprising graphitic carbon nitride (g-C₃N₄) nanolayers. New Journal of Chemistry, 2020, 44, 2644-2651.	2.8	29
9	Real-Time Visualization and Dynamics of Boron Nitride Nanotubes Undergoing Brownian Motion. Journal of Physical Chemistry B, 2020, 124, 4185-4192.	2.6	7
10	A life in crystallography. Dalton Transactions, 2020, 49, 3914-3916.	3.3	3
11	Design, Synthesis and Biological Evaluation of Ferrocenyl Thiazole and Thiazolo[5,4-d]thiazole Catechols as Inhibitors of 5-hLOX and as Antibacterials against Staphylococcus aureus. Structural Relationship and Computational Studies. Organometallics, 2020, 39, 2672-2681.	2.3	7
12	Latest Trends in Temperature Sensing by Molecular Probes. ChemPhotoChem, 2020, 4, 255-270.	3.0	33
13	Reflux pretreatment-mediated sonication: A new universal route to obtain 2D quantum dots. Materials Today, 2019, 22, 17-24.	14.2	12
14	Tunable Alkylation of White Graphene (Hexagonal Boron Nitride) Using Reductive Conditions. Journal of Physical Chemistry C, 2019, 123, 19725-19733.	3.1	10
15	Sensing Temperature in Vitro and in Cells Using a BODIPY Molecular Probe. Journal of Physical Chemistry B, 2019, 123, 7282-7289.	2.6	32
16	Leadâ€Free Perovskites: Leadâ€Free Double Perovskite Cs₂SnX₆: Facile Solution Synthesis and Excellent Stability (Small 39/2019). Small, 2019, 15, 1970211.	10.0	2
17	Interrogating Amyloid Aggregates using Fluorescent Probes. Chemical Reviews, 2019, 119, 11819-11856.	47.7	184
18	Defectâ€Engineeringâ€Enabled Highâ€Efficiency Allâ€Inorganic Perovskite Solar Cells. Advanced Materials, 2019, 31, e1903448.	21.0	143

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19	Monitoring the Formation of Amyloid Oligomers Using Photoluminescence Anisotropy. Journal of the American Chemical Society, 2019, 141, 15605-15610.	13.7	47
20	Surfactant-assisted individualization and dispersion of boron nitride nanotubes. Nanoscale Advances, 2019, 1, 1096-1103.	4.6	38
21	Low-temperature titania-graphene quantum dots paste for flexible dye-sensitised solar cell applications. Electrochimica Acta, 2019, 305, 278-284.	5.2	30
22	Adverse Effect of PTFE Stir Bars on the Covalent Functionalization of Carbon and Boron Nitride Nanotubes Using Billupsâ€“Birch Reduction Conditions. ACS Omega, 2019, 4, 5098-5106.	3.5	9
23	Scalable Purification of Boron Nitride Nanotubes via Wet Thermal Etching. Chemistry of Materials, 2019, 31, 1520-1527.	6.7	38
24	Fluorinated Boron Nitride Quantum Dots: A New 0D Material for Energy Conversion and Detection of Cellular Metabolism. Particle and Particle Systems Characterization, 2019, 36, 1800346.	2.3	13
25	Singular wavelength dependence on the sensitization of lanthanides by graphene quantum dots. Chemical Communications, 2018, 54, 4325-4328.	4.1	5
26	Laser-Induced Conversion of Teflon into Fluorinated Nanodiamonds or Fluorinated Graphene. ACS Nano, 2018, 12, 1083-1088.	14.6	91
27	Atomic Layered Titanium Sulfide Quantum Dots as Electrocatalysts for Enhanced Hydrogen Evolution Reaction. Advanced Materials Interfaces, 2018, 5, 1700895.	3.7	30
28	An Insight into the Phase Transformation of WS₂ upon Fluorination. Advanced Materials, 2018, 30, e1803366.	21.0	26
29	Soft-Lithographic Patterning of Luminescent Carbon Nanodots Derived from Collagen Waste. ACS Applied Materials & Interfaces, 2018, 10, 36275-36283.	8.0	24
30	Magnetic Properties and Photocatalytic Applications of 2D Sheets of Nonlayered Manganese Telluride by Liquid Exfoliation. ACS Applied Nano Materials, 2018, 1, 6427-6434.	5.0	33
31	Chemical Decoration of Boron Nitride Nanotubes Using the Billups-Birch Reaction: Toward Enhanced Thermostable Reinforced Polymer and Ceramic Nanocomposites. ACS Applied Nano Materials, 2018, 1, 2421-2429.	5.0	20
32	Exfoliation of a non-van der Waals material from iron ore hematite. Nature Nanotechnology, 2018, 13, 602-609.	31.5	295
33	A Non-van der Waals Two-Dimensional Material from Natural Titanium Mineral Ore Ilmenite. Chemistry of Materials, 2018, 30, 5923-5931.	6.7	82
34	Facile Self-Assembly Route to Co3O4 Nanoparticles Confined into Single-Walled Carbon Nanotube Matrix for Highly Reversible Lithium Storage. Electrochimica Acta, 2017, 235, 613-622.	5.2	30
35	Kaplanâ€“Meier Meets Chemical Kinetics: Intrinsic Rate of SOD1 Amyloidogenesis Decreased by Subset of ALS Mutations and Cannot Fully Explain Age of Disease Onset. ACS Chemical Neuroscience, 2017, 8, 1378-1389.	3.5	20
36	A novel electroluminescent device based on a reduced graphene oxide wrapped phosphor (ZnS:Cu,Al) and hexagonal-boron nitride for high-performance luminescence. Nanoscale, 2017, 9, 5002-5008.	5.6	17

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37	Increased solubility and fiber spinning of graphenide dispersions aided by crown-ethers. Chemical Communications, 2017, 53, 1498-1501.	4.1	6
38	Photochemical Identification of Molecular Binding Sites on the Surface of Amyloid-Î² Fibrillar Aggregates. CheM, 2017, 3, 898-912.	11.7	27
39	Fluorinated h-BN as a magnetic semiconductor. Science Advances, 2017, 3, e1700842.	10.3	121
40	Synthesis of light-driven motorized nanocars for linear trajectories and their detailed NMR structural determination. Tetrahedron, 2017, 73, 4864-4873.	1.9	17
41	Retrospective on the 26th Inter-American Photochemical Society Winter Conference. ACS Energy Letters, 2017, 2, 780-781.	17.4	0
42	Unprecedented Dual Light-Switching Response of a Metal Dipyridophenazine Complex toward Amyloid-Î² Aggregation. Journal of the American Chemical Society, 2016, 138, 8686-8689.	13.7	43
43	Synthesis and Photostability of Unimolecular Submersible Nanomachines: Toward Single-Molecule Tracking in Solution. Organic Letters, 2016, 18, 2343-2346.	4.6	11
44	Bifunctional Luminomagnetic Rare-Earth Nanorods for High-Contrast Bioimaging Nanoprobes. Scientific Reports, 2016, 6, 32401.	3.3	29
45	Carbon nanotubes dispersed in aqueous solution by ruthenium(ii) polypyridyl complexes. Nanoscale, 2016, 8, 13488-13497.	5.6	8
46	Luminescent Polymer Composite Films Containing Coal-Derived Graphene Quantum Dots. ACS Applied Materials & Interfaces, 2015, 7, 26063-26068.	8.0	93
47	Arresting Amyloid with Coulombâ€™s Law: Acetylation of ALS-Linked SOD1 by Aspirin Impedes Aggregation. Biophysical Journal, 2015, 108, 1199-1212.	0.5	44
48	Grb2 monomerâ€“dimer equilibrium determines normal versus oncogenic function. Nature Communications, 2015, 6, 7354.	12.8	56
49	Synthesis of a fluorescent BODIPY-tagged ROMP catalyst and initial polymerization-propelled diffusion studies. Tetrahedron, 2015, 71, 5965-5972.	1.9	12
50	Metal complexes and time-resolved photoluminescence spectroscopy for sensing applications. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 307-308, 35-47.	3.9	25
51	Bandgap Engineering of Coal-Derived Graphene Quantum Dots. ACS Applied Materials & Interfaces, 2015, 7, 7041-7048.	8.0	182
52	Synthesis of a Lightâ€Driven Motorized Nanocar. Asian Journal of Organic Chemistry, 2015, 4, 1308-1314.	2.7	15
53	Luminogenic iridium azide complexes. Chemical Communications, 2015, 51, 15192-15195.	4.1	19
54	Carbon nanotubides: an alternative for dispersion, functionalization and composites fabrication. Nanoscale, 2015, 7, 15037-15045.	5.6	36

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55	Unimolecular Submersible Nanomachines. Synthesis, Actuation, and Monitoring. Nano Letters, 2015, 15, 8229-8239.	9.1	47
56	Formation of a goldâ€“carbon dot nanocomposite with superior catalytic ability for the reduction of aromatic nitro groups in water. RSC Advances, 2014, 4, 25863-25866.	3.6	28
57	Ascertaining Free Histidine from Mixtures with Histidine-Containing Proteins Using Time-Resolved Photoluminescence Spectroscopy. Journal of Physical Chemistry A, 2014, 118, 10353-10358.	2.5	23
58	Macroscopic Nanotube Fibers Spun from Single-Walled Carbon Nanotube Polyelectrolytes. ACS Nano, 2014, 8, 9107-9112.	14.6	81
59	Carbon-Based Nanoreporters Designed for Subsurface Hydrogen Sulfide Detection. ACS Applied Materials & Interfaces, 2014, 6, 7652-7658.	8.0	26
60	Carbon nanotube networks on different platforms. Carbon, 2014, 79, 1-18.	10.3	115
61	Unraveling the Photoluminescence Response of Light-Switching Ruthenium(II) Complexes Bound to Amyloid-Î². Journal of the American Chemical Society, 2013, 135, 10810-10816.	13.7	73
62	Coal as an abundant source of graphene quantum dots. Nature Communications, 2013, 4, 2943.	12.8	686
63	Deamidation of Asparagine to Aspartate Destabilizes Cu, Zn Superoxide Dismutase, Accelerates Fibrillization, and Mirrors ALS-Linked Mutations. Journal of the American Chemical Society, 2013, 135, 15897-15908.	13.7	48
64	Self-Assembled Monolayers Based Upon a Zirconium Phosphate Platform. Chemistry of Materials, 2013, 25, 723-728.	6.7	45
65	Increased Solubility, Liquid-Crystalline Phase, and Selective Functionalization of Single-Walled Carbon Nanotube Polyelectrolyte Dispersions. ACS Nano, 2013, 7, 4503-4510.	14.6	86
66	Ruthenium Red Colorimetric and Birefringent Staining of Amyloid-Î² Aggregates in Vitro and in Tg2576 Mice. ACS Chemical Neuroscience, 2013, 4, 379-384.	3.5	13
67	ThreeâEDimensional SolventâEVapor Map Generated by Supramolecular MetalâEComplex Entrapment. Angewandte Chemie - International Edition, 2013, 52, 12615-12618.	13.8	15
68	Time-resolved photoluminescence spectroscopy for the detection of cysteine and other thiol containing amino acids in complex strongly autofluorescent media. Chemical Communications, 2012, 48, 11760.	4.1	30
69	Optimizing the Sensitivity of Photoluminescent Probes Using Time-Resolved Spectroscopy: A Molecular Beacon Case Study. Analytical Chemistry, 2012, 84, 8075-8082.	6.5	23
70	Detection of Î±-Synuclein Amyloidogenic Aggregates in Vitro and in Cells using Light-Switching Dipyridophenazine Ruthenium(II) Complexes. Journal of the American Chemical Society, 2012, 134, 20776-20782.	13.7	83
71	Facile Methodology for Monitoring Amyloid-Î² Fibrillization. ACS Chemical Neuroscience, 2012, 3, 896-899.	3.5	16
72	Graphene Quantum Dots Derived from Carbon Fibers. Nano Letters, 2012, 12, 844-849.	9.1	2,041

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73	Films of Bare Single-Walled Carbon Nanotubes from Superacids with Tailored Electronic and Photoluminescence Properties. ACS Nano, 2012, 6, 5727-5734.	14.6	22
74	Probing of Ni-Encapsulated Ferromagnetic Boron Nitride Nanotubes by Time-Resolved and Steady-State Photoluminescence Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 12803-12809.	3.1	15
75	Highly Luminescentâ€“Paramagnetic Nanophosphor Probes for In Vitro Highâ€Contrast Imaging of Human Breast Cancer Cells. Small, 2012, 8, 3028-3034.	10.0	46
76	Recent trends in molecular beacon design and applications. Analytical and Bioanalytical Chemistry, 2012, 402, 3091-3102.	3.7	65
77	Single-walled carbon nanotubes shell decorating porous silicate materials: A general platform for studying the interaction of carbon nanotubes with photoactive molecules. Chemical Science, 2011, 2, 1682.	7.4	10
78	Sensing Amyloid-Î² Aggregation Using Luminescent Dipyridophenazine Ruthenium(II) Complexes. Journal of the American Chemical Society, 2011, 133, 11121-11123.	13.7	113
79	Non-covalent ruthenium polypyridyl complexesâ€“carbon nanotubes composites: an alternative for functional dissolution of carbon nanotubes in solution. Chemical Communications, 2011, 47, 2246.	4.1	34
80	Optical Bifunctionality of Europium-Complexed Luminescent Graphene Nanosheets. Nano Letters, 2011, 11, 5227-5233.	9.1	88
81	Probing a Bifunctional Luminomagnetic Nanophosphor for Biological Applications: a Photoluminescence and Timeâ€Resolved Spectroscopic Study. Small, 2011, 7, 1767-1773.	10.0	48
82	Comparative NMR Properties of H₂ and HD in Toluene-d₈ and in H₂/HD@C₆₀. Journal of Physical Chemistry B, 2010, 114, 14689-14695.	2.6	34
83	Fluorescent Responsive Probes for Oligonucleotide Detection. ACS Symposium Series, 2010, , 269-282.	0.5	0
84	The Spin Chemistry and Magnetic Resonance of H₂@C₆₀. From the Pauli Principle to Trapping a Long Lived Nuclear Excited Spin State inside a Buckyball. Accounts of Chemical Research, 2010, 43, 335-345.	15.6	74
85	Photophysical Characterization of the Interactions among Tris(2,2â€²-bipyridyl)ruthenium(II) Complexes Ion-Exchanged within Zirconium Phosphate. Inorganic Chemistry, 2010, 49, 7298-7303.	4.0	38
86	A covalently linked phenanthridineâ€“ruthenium(ii) complex as a RNA probe. Chemical Communications, 2009, , 2640.	4.1	85
87	Nonradiative Deactivation of Singlet Oxygen (¹O₂) by Cubane and Its Derivatives. Organic Letters, 2008, 10, 5509-5512.	4.6	9
88	A Mechanistic Design Principle for Protein Tyrosine Kinase Sensors:â€‰ Application to a Validated Cancer Target. Organic Letters, 2008, 10, 301-304.	4.6	16
89	Demonstration of a Chemical Transformation Inside a Fullerene. The Reversible Conversion of the Allotropes of H₂@C₆₀. Journal of the American Chemical Society, 2008, 130, 10506-10507.	13.7	62
90	Pyrene Excimer Signaling Molecular Beacons for Probing Nucleic Acids. Journal of the American Chemical Society, 2008, 130, 336-342.	13.7	289

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91	Fluorescent Hybridization Probes for Sensitive and Selective DNA and RNA Detection. Accounts of Chemical Research, 2007, 40, 402-409.	15.6	174
92	Can H₂ Inside C₆₀ Communicate with the Outside World?. Journal of the American Chemical Society, 2007, 129, 14554-14555.	13.7	34
93	Intercalation of Re(phen)(CO)3Cl into zirconium phosphate: a water insoluble inorganic complex immobilized in a highly polar rigid matrix. Dalton Transactions, 2007, , 1713-1718.	3.3	28
94	FRETView: a computer program to simplify the process of obtaining fluorescence resonance energy transfer parameters. Photochemical and Photobiological Sciences, 2007, 6, 909.	2.9	7
95	Inorganicâ^'Organic Hybrid Luminescent Binary Probe for DNA Detection Based on Spin-Forbidden Resonance Energy Transfer. Journal of the American Chemical Society, 2007, 129, 8680-8681.	13.7	59
96	Design and characterization of two-dye and three-dye binary fluorescent probes for mRNA detection. Tetrahedron, 2007, 63, 3591-3600.	1.9	34
97	Combinatorial fluorescence energy transfer molecular beacons for probing nucleic acid sequences. Photochemical and Photobiological Sciences, 2006, 5, 896.	2.9	24
98	Spectroscopic investigation of a FRET molecular beacon containing two fluorophores for probing DNA/RNA sequences. Photochemical and Photobiological Sciences, 2006, 5, 493.	2.9	36
99	Phosphorylation State-Responsive Lanthanide Peptide Conjugates: A Luminescence Switch Based on Reversible Complex Reorganization. Organic Letters, 2006, 8, 2723-2726.	4.6	48
100	Molecular beacons with intrinsically fluorescent nucleotides. Nucleic Acids Research, 2006, 34, e50-e50.	14.5	66
101	Pyrene binary probes for unambiguous detection of mRNA using time-resolved fluorescence spectroscopy. Nucleic Acids Research, 2006, 34, 3161-3168.	14.5	101
102	Structural and Photophysical Characterisation offac-[Tricarbonyl(chloro)(5,6-epoxy-1,10-phenanthroline)rhenium(I)]. European Journal of Inorganic Chemistry, 2005, 2005, 118-124.	2.0	50
103	Direct Ion Exchange of Tris(2,2â€˜-bipyridine)ruthenium(II) into an Î±-Zirconium Phosphate Framework. Inorganic Chemistry, 2003, 42, 2830-2832.	4.0	96
104	Bidentate Coordination of 2Apy in cisâ€[Ru(phen)2(2Apy)]2+ÂAiming at Photobiological Studies. European Journal of Inorganic Chemistry, 0, , .	2.0	1