Angel A Marti

List of Publications by Year in Descending Order

103 papers	6,054 citations	36 h-index	76 g-index
108 ext. papers	6,734 ext. citations	9.7 avg, IF	5.55 L-index

#	Paper	IF	Citations
103	A simple graphene modified electrode for the determination of antimony(III) in edible plants and beverage. *Food Chemistry*, **2022**, 367, 130676	8.5	1
102	Exploring the Photophysical Properties of UiO-67 MOF Doped with Rhenium Carbonyl Complexes. *Journal of Photochemistry and Photobiology*, **2022**, 100127	0.8	1
101	Liquid crystals of neat boron nitride nanotubes and their assembly into ordered macroscopic materials. *Nature Communications*, **2022**, 13,	17.4	3
100	Luminescent hybrid biocomposite films derived from animal skin waste. *Carbon Trends*, **2021**, 4, 100059	0	3
99	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	5.6	6
98	Real-Time Visualization and Dynamics of Boron Nitride Nanotubes Undergoing Brownian Motion. *Journal of Physical Chemistry B*, **2020**, 124, 4185-4192	3.4	4
97	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	3.8	3
96	Latest Trends in Temperature Sensing by Molecular Probes. *ChemPhotoChem*, **2020**, 4, 255-270	3.3	14
95	Facile synthesis of highly fluorescent free-standing films comprising graphitic carbon nitride (g-C3N4) nanolayers. *New Journal of Chemistry*, **2020**, 44, 2644-2651	3.6	17
94	Fluorescent surfactants from common dyes Rhodamine B and Eosin Y. *Pure and Applied Chemistry*, **2020**, 92, 265-274	2.1	2
93	Monitoring the Formation of Amyloid Oligomers Using Photoluminescence Anisotropy. *Journal of the American Chemical Society*, **2019**, 141, 15605-15610	16.4	30
92	Surfactant-assisted individualization and dispersion of boron nitride nanotubes. *Nanoscale Advances*, **2019**, 1, 1096-1103	5.1	24
91	Low-temperature titania-graphene quantum dots paste for flexible dye-sensitised solar cell applications. *Electrochimica Acta*, **2019**, 305, 278-284	6.7	24
90	Adverse Effect of PTFE Stir Bars on the Covalent Functionalization of Carbon and Boron Nitride Nanotubes Using Billups-Birch Reduction Conditions. *ACS Omega*, **2019**, 4, 5098-5106	3.9	5
89	Scalable Purification of Boron Nitride Nanotubes via Wet Thermal Etching. *Chemistry of Materials*, **2019**, 31, 1520-1527	9.6	21
88	Reflux pretreatment-mediated sonication: A new universal route to obtain 2D quantum dots. *Materials Today*, **2019**, 22, 17-24	21.8	7
87	Tunable Alkylation of White Graphene (Hexagonal Boron Nitride) Using Reductive Conditions. *Journal of Physical Chemistry C*, **2019**, 123, 19725-19733	3.8	5

86	Sensing Temperature in Vitro and in Cells Using a BODIPY Molecular Probe. *Journal of Physical Chemistry B*, **2019**, 123, 7282-7289	3.4	18
85	Lead-Free Perovskites: Lead-Free Double Perovskite Cs2SnX6: Facile Solution Synthesis and Excellent Stability (Small 39/2019). *Small*, **2019**, 15, 1970211	11	2
84	Interrogating Amyloid Aggregates using Fluorescent Probes. *Chemical Reviews*, **2019**, 119, 11819-11856	68.1	93
83	Defect-Engineering-Enabled High-Efficiency All-Inorganic Perovskite Solar Cells. *Advanced Materials*, **2019**, 31, e1903448	24	75
82	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	3.1	6
81	Singular wavelength dependence on the sensitization of lanthanides by graphene quantum dots. *Chemical Communications*, **2018**, 54, 4325-4328	5.8	5
80	Laser-Induced Conversion of Teflon into Fluorinated Nanodiamonds or Fluorinated Graphene. *ACS Nano*, **2018**, 12, 1083-1088	16.7	69
79	Atomic Layered Titanium Sulfide Quantum Dots as Electrocatalysts for Enhanced Hydrogen Evolution Reaction. *Advanced Materials Interfaces*, **2018**, 5, 1700895	4.6	22
78	Exfoliation of a non-van der Waals material from iron ore hematite. *Nature Nanotechnology*, **2018**, 13, 602-609	28.7	179
77	A Non-van der Waals Two-Dimensional Material from Natural Titanium Mineral Ore Ilmenite. *Chemistry of Materials*, **2018**, 30, 5923-5931	9.6	45
76	An Insight into the Phase Transformation of WS upon Fluorination. *Advanced Materials*, **2018**, 30, e1803366	24	15
75	Soft-Lithographic Patterning of Luminescent Carbon Nanodots Derived from Collagen Waste. *ACS Applied Materials & Interfaces*, **2018**, 10, 36275-36283	9.5	6
74	Magnetic Properties and Photocatalytic Applications of 2D Sheets of Nonlayered Manganese Telluride by Liquid Exfoliation. *ACS Applied Nano Materials*, **2018**, 1, 6427-6434	5.6	19
73	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	5.6	13
72	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	6.7	27
71	Kaplan-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	5.7	17
70	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	7.7	16
69	Increased solubility and fiber spinning of graphenide dispersions aided by crown-ethers. *Chemical Communications*, **2017**, 53, 1498-1501	5.8	5

68	Photochemical Identification of Molecular Binding Sites on the Surface of Amyloid-Fibrillar Aggregates. *CheM*, **2017**, 3, 898-912	16.2	21
67	Fluorinated h-BN as a magnetic semiconductor. *Science Advances*, **2017**, 3, e1700842	14.3	87
66	Synthesis of light-driven motorized nanocars for linear trajectories and their detailed NMR structural determination. *Tetrahedron*, **2017**, 73, 4864-4873	2.4	11
65	Retrospective on the 26th Inter-American Photochemical Society Winter Conference. *ACS Energy Letters*, **2017**, 2, 780-781	20.1	
64	Bifunctional Luminomagnetic Rare-Earth Nanorods for High-Contrast Bioimaging Nanoprobes. *Scientific Reports*, **2016**, 6, 32401	4.9	27
63	Carbon nanotubes dispersed in aqueous solution by ruthenium(ii) polypyridyl complexes. *Nanoscale* , **2016**, 8, 13488-97	7.7	8
62	Unprecedented Dual Light-Switching Response of a Metal Dipyridophenazine Complex toward Amyloid-Aggregation. *Journal of the American Chemical Society*, **2016**, 138, 8686-9	16.4	33
61	Synthesis and Photostability of Unimolecular Submersible Nanomachines: Toward Single-Molecule Tracking in Solution. *Organic Letters*, **2016**, 18, 2343-6	6.2	11
60	Arresting amyloid with coulombs law: acetylation of ALS-linked SOD1 by aspirin impedes aggregation. *Biophysical Journal*, **2015**, 108, 1199-212	2.9	36
59	Grb2 monomer-dimer equilibrium determines normal versus oncogenic function. *Nature Communications*, **2015**, 6, 7354	17.4	29
58	Synthesis of a fluorescent BODIPY-tagged ROMP catalyst and initial polymerization-propelled diffusion studies. *Tetrahedron*, **2015**, 71, 5965-5972	2.4	8
57	Metal complexes and time-resolved photoluminescence spectroscopy for sensing applications. *Journal of Photochemistry and Photobiology A: Chemistry*, **2015**, 307-308, 35-47	4.7	20
56	Bandgap engineering of coal-derived graphene quantum dots. *ACS Applied Materials & Interfaces*, **2015**, 7, 7041-8	9.5	137
55	Synthesis of a Light-Driven Motorized Nanocar. *Asian Journal of Organic Chemistry*, **2015**, 4, 1308-1314	3	14
54	Luminogenic iridium azide complexes. *Chemical Communications*, **2015**, 51, 15192-5	5.8	17
53	Carbon nanotubides: an alternative for dispersion, functionalization and composites fabrication. *Nanoscale*, **2015**, 7, 15037-45	7.7	33
52	Unimolecular Submersible Nanomachines. Synthesis, Actuation, and Monitoring. *Nano Letters*, **2015** , 15, 8229-39	11.5	38
51	Luminescent Polymer Composite Films Containing Coal-Derived Graphene Quantum Dots. *ACS Applied Materials & Interfaces*, **2015**, 7, 26063-8	9.5	66

50	Formation of a gold–carbon dot nanocomposite with superior catalytic ability for the reduction of aromatic nitro groups in water. *RSC Advances*, **2014**, 4, 25863-25866	3.7	20
49	Ascertaining free histidine from mixtures with histidine-containing proteins using time-resolved photoluminescence spectroscopy. *Journal of Physical Chemistry A*, **2014**, 118, 10353-8	2.8	22
48	Macroscopic nanotube fibers spun from single-walled carbon nanotube polyelectrolytes. *ACS Nano*, **2014**, 8, 9107-12	16.7	69
47	Carbon-based nanoreporters designed for subsurface hydrogen sulfide detection. *ACS Applied Materials & Interfaces*, **2014**, 6, 7652-8	9.5	23
46	Carbon nanotube networks on different platforms. *Carbon*, **2014**, 79, 1-18	10.4	105
45	Unraveling the photoluminescence response of light-switching ruthenium(II) complexes bound to amyloid-. *Journal of the American Chemical Society*, **2013**, 135, 10810-6	16.4	62
44	Coal as an abundant source of graphene quantum dots. *Nature Communications*, **2013**, 4, 2943	17.4	556
43	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, 15897-908	16.4	42
42	Self-Assembled Monolayers Based Upon a Zirconium Phosphate Platform. *Chemistry of Materials*, **2013**, 25, 723-728	9.6	39
41	Increased solubility, liquid-crystalline phase, and selective functionalization of single-walled carbon nanotube polyelectrolyte dispersions. *ACS Nano*, **2013**, 7, 4503-10	16.7	82
40	Ruthenium red colorimetric and birefringent staining of amyloid- aggregates in vitro and in Tg2576 mice. *ACS Chemical Neuroscience*, **2013**, 4, 379-84	5.7	11
39	Three-Dimensional Solvent-Vapor Map Generated by Supramolecular Metal-Complex Entrapment. *Angewandte Chemie*, **2013**, 125, 12847-12850	3.6	4
38	Three-dimensional solvent-vapor map generated by supramolecular metal-complex entrapment. *Angewandte Chemie - International Edition*, **2013**, 52, 12615-8	16.4	15
37	Optimizing the sensitivity of photoluminescent probes using time-resolved spectroscopy: a molecular beacon case study. *Analytical Chemistry*, **2012**, 84, 8075-82	7.8	21
36	Detection of synuclein amyloidogenic aggregates in vitro and in cells using light-switching dipyridophenazine ruthenium(II) complexes. *Journal of the American Chemical Society*, **2012**, 134, 20776-82	16.4	72
35	Facile methodology for monitoring amyloid- fibrillization. *ACS Chemical Neuroscience*, **2012**, 3, 896-9	5.7	8
34	Graphene quantum dots derived from carbon fibers. *Nano Letters*, **2012**, 12, 844-9	11.5	1779
33	Films of bare single-walled carbon nanotubes from superacids with tailored electronic and photoluminescence properties. *ACS Nano*, **2012**, 6, 5727-34	16.7	21

32	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	3.8	12
31	Highly luminescent-paramagnetic nanophosphor probes for in vitro high-contrast imaging of human breast cancer cells. *Small*, **2012**, 8, 3028-34	11	43
30	Recent trends in molecular beacon design and applications. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 3091-102	4.4	59
29	Time-resolved photoluminescence spectroscopy for the detection of cysteine and other thiol containing amino acids in complex strongly autofluorescent media. *Chemical Communications*, **2012** , 48, 11760-2	5.8	27
28	Optical bifunctionality of europium-complexed luminescent graphene nanosheets. *Nano Letters*, **2011**, 11, 5227-33	11.5	79
27	Probing a bifunctional luminomagnetic nanophosphor for biological applications: a photoluminescence and time-resolved spectroscopic study. *Small*, **2011**, 7, 1767-73	11	47
26	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	9.4	10
25	Sensing amyloid-aggregation using luminescent dipyridophenazine ruthenium(II) complexes. *Journal of the American Chemical Society*, **2011**, 133, 11121-3	16.4	98
24	Non-covalent ruthenium polypyridyl complexes-carbon nanotubes composites: an alternative for functional dissolution of carbon nanotubes in solution. *Chemical Communications*, **2011**, 47, 2246-8	5.8	34
23	Fluorescent Responsive Probes for Oligonucleotide Detection. *ACS Symposium Series*, **2010**, 269-282	0.4	
22	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, 335-45	24.3	65
21	Photophysical characterization of the interactions among tris(2,2Sbipyridyl)ruthenium(II) complexes ion-exchanged within zirconium phosphate. *Inorganic Chemistry*, **2010**, 49, 7298-303	5.1	36
20	Comparative NMR properties of H2 and HD in toluene-d8 and in H2/HD@C60. *Journal of Physical Chemistry B*, **2010**, 114, 14689-95	3.4	27
19	A covalently linked phenanthridine-ruthenium(II) complex as a RNA probe. *Chemical Communications*, **2009**, 2640-2	5.8	83
18	Nonradiative deactivation of singlet oxygen ((1)O2) by cubane and its derivatives. *Organic Letters*, **2008**, 10, 5509-12	6.2	9
17	A mechanistic design principle for protein tyrosine kinase sensors: application to a validated cancer target. *Organic Letters*, **2008**, 10, 301-4	6.2	16
16	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, 10506-7	16.4	57
15	Pyrene excimer signaling molecular beacons for probing nucleic acids. *Journal of the American Chemical Society*, **2008**, 130, 336-42	16.4	267

14	FRETView: a computer program to simplify the process of obtaining fluorescence resonance energy transfer parameters. *Photochemical and Photobiological Sciences*, **2007**, 6, 909-11	4.2	7
13	Inorganic-organic hybrid luminescent binary probe for DNA detection based on spin-forbidden resonance energy transfer. *Journal of the American Chemical Society*, **2007**, 129, 8680-1	16.4	58
12	Design and characterization of two-dye and three-dye binary fluorescent probes for mRNA detection. *Tetrahedron*, **2007**, 63, 3591-3600	2.4	32
11	Fluorescent hybridization probes for sensitive and selective DNA and RNA detection. *Accounts of Chemical Research*, **2007**, 40, 402-9	24.3	167
10	Can H2 inside C60 communicate with the outside world?. *Journal of the American Chemical Society*, **2007**, 129, 14554-5	16.4	34
9	Intercalation of Re(phen)(CO)3Cl into zirconium phosphate: a water insoluble inorganic complex immobilized in a highly polar rigid matrix. *Dalton Transactions*, **2007**, 1713-8	4.3	28
8	Molecular beacons with intrinsically fluorescent nucleotides. *Nucleic Acids Research*, **2006**, 34, e50	20.1	63
7	Pyrene binary probes for unambiguous detection of mRNA using time-resolved fluorescence spectroscopy. *Nucleic Acids Research*, **2006**, 34, 3161-8	20.1	93
6	Combinatorial fluorescence energy transfer molecular beacons for probing nucleic acid sequences. *Photochemical and Photobiological Sciences*, **2006**, 5, 896-902	4.2	23
5	Spectroscopic investigation of a FRET molecular beacon containing two fluorophores for probing DNA/RNA sequences. *Photochemical and Photobiological Sciences*, **2006**, 5, 493-8	4.2	36
4	Phosphorylation state-responsive lanthanide peptide conjugates: a luminescence switch based on reversible complex reorganization. *Organic Letters*, **2006**, 8, 2723-6	6.2	46
3	Structural and Photophysical Characterisation of fac-[Tricarbonyl(chloro)(5,6-epoxy-1,10-phenanthroline)rhenium(I)]. *European Journal of Inorganic Chemistry*, **2005**, 2005, 118-124	2.3	50
2	Direct ion exchange of tris(2,2Sbipyridine)ruthenium(II) into an alpha-zirconium phosphate framework. *Inorganic Chemistry*, **2003**, 42, 2830-2	5.1	89
1	Probing Amyloid Nanostructures using Photoluminescent Metal Complexes. *European Journal of Inorganic Chemistry*,	2.3	1