

Alfonso Salinas-Castillo

List of Publications by Citations

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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.

80
papers

1,835
citations

25
h-index

40
g-index

85
ext. papers

2,097
ext. citations

5.5
avg. IF

4.7
L-index

#	Paper	IF	Citations
80	Carbon dots for copper detection with down and upconversion fluorescent properties as excitation sources. <i>Chemical Communications</i> , 2013 , 49, 1103-5	5.8	226
79	Fluorescent conjugated polymers for chemical and biochemical sensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1513-1525	14.6	86
78	Flexible and robust laser-induced graphene heaters photothermally scribed on bare polyimide substrates. <i>Carbon</i> , 2019 , 144, 116-126	10.4	83
77	Synthesis, X-ray structures and luminescence properties of three multidimensional metal-organic frameworks incorporating the versatile 5-(pyrimidyl)tetrazolato bridging ligand. <i>Dalton Transactions</i> , 2007 , 1821-8	4.3	63
76	A chiral diamondoid 3D lanthanum metal-organic framework displaying blue-greenish long lifetime photoluminescence emission. <i>CrystEngComm</i> , 2010 , 12, 1876	3.3	62
75	Microsystem-assisted synthesis of carbon dots with fluorescent and colorimetric properties for pH detection. <i>Nanoscale</i> , 2014 , 6, 6018-24	7.7	61
74	A General Perspective of the Characterization and Quantification of Nanoparticles: Imaging, Spectroscopic, and Separation Techniques. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014 , 39, 423-458	10.1	59
73	Wearable Potentiometric Ion Patch for On-Body Electrolyte Monitoring in Sweat: Toward a Validation Strategy to Ensure Physiological Relevance. <i>Analytical Chemistry</i> , 2019 , 91, 8644-8651	7.8	53
72	Microfluidic paper-based device for colorimetric determination of glucose based on a metal-organic framework acting as peroxidase mimetic. <i>Mikrochimica Acta</i> , 2017 , 185, 47	5.8	53
71	A 3D μPAD based on a multi-enzyme organic-inorganic hybrid nanoflower reactor. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 51-5	11.8	48
70	Conjugated polymer microspheres for "turn-off"/"turn-on" fluorescence optosensing of inorganic ions in aqueous media. <i>Analytical Chemistry</i> , 2011 , 83, 2712-8	7.8	44
69	A Review of Heavy-Atom-Induced Room-Temperature Phosphorescence: a Straightforward Phosphorimetric Method. <i>Critical Reviews in Analytical Chemistry</i> , 2005 , 35, 3-14	5.2	40
68	Luminescence and magnetic properties of three metal-organic frameworks based on the 5-(1H-tetrazol-5-yl)isophthalic acid ligand. <i>CrystEngComm</i> , 2013 , 15, 7636	3.3	37
67	Synthesis of a new fluorescent conjugated polymer microsphere for chemical sensing in aqueous media. <i>Chemical Communications</i> , 2010 , 46, 1263-5	5.8	36
66	In-Depth Study of Laser Diode Ablation of Kapton Polyimide for Flexible Conductive Substrates. <i>Nanomaterials</i> , 2018 , 8,	5.4	36
65	Progress in the Synthesis of Poly(2,7-Fluorene-alt-1,4-Phenylene), PFP, via Suzuki Coupling.. <i>Macromolecules</i> , 2009 , 42, 5471-5477	5.5	34
64	The development of a MIP-optosensor for the detection of monoamine naphthalenes in drinking water. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 2305-11	11.8	33

63	Polyelectrolyte Complexes of Low Molecular Weight PEI and Citric Acid as Efficient and Nontoxic Vectors for in Vitro and in Vivo Gene Delivery. <i>Bioconjugate Chemistry</i> , 2016 , 27, 549-61	6.3	32
62	Heavy atom induced room temperature phosphorescence: a tool for the analytical characterization of polycyclic aromatic hydrocarbons. <i>Analytica Chimica Acta</i> , 2004 , 516, 213-220	6.6	32
61	Printed disposable colorimetric array for metal ion discrimination. <i>Analytical Chemistry</i> , 2014 , 86, 8634-41.8	4.8	31
60	Thermochromic sensor design based on Fe(II) spin crossover/polymers hybrid materials and artificial neural networks as a tool in modelling. <i>Sensors and Actuators B: Chemical</i> , 2015 , 208, 180-187	8.5	30
59	Iodinated molecularly imprinted polymer for room temperature phosphorescence optosensing of fluoranthene. <i>Chemical Communications</i> , 2005 , 3224-6	5.8	29
58	Tetrazine-based chemistry for nitrite determination in a paper microfluidic device. <i>Talanta</i> , 2016 , 160, 721-728	6.2	29
57	Design, fabrication and characterization of capacitive humidity sensors based on emerging flexible technologies. <i>Sensors and Actuators B: Chemical</i> , 2019 , 287, 459-467	8.5	26
56	First examples of metal-organic frameworks with the novel 3,3S(1,2,4,5-tetrazine-3,6-diyl)dibenzoic spacer. Luminescence and adsorption properties. <i>Inorganic Chemistry</i> , 2013 , 52, 546-8	5.1	26
55	Immobilization of a trienzymatic system in a sol-gel matrix: a new fluorescent biosensor for xanthine. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 1059-62	11.8	25
54	Inkjet-printed disposable metal complexing indicator-displacement assay for sulphide determination in water. <i>Analytica Chimica Acta</i> , 2015 , 872, 55-62	6.6	24
53	Effect of π -stacking interactions on the emission properties of cadmium metal-organic frameworks based on 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene. <i>CrystEngComm</i> , 2015 , 17, 3659-3666	3.3	24
52	Particle tuning and modulation of the magnetic/colour synergy in Fe(II) spin crossover-polymer nanocomposites in a thermochromic sensor array. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7292-7303	7.1	24
51	Pyridine Vapors Detection by an Optical Fibre Sensor. <i>Sensors</i> , 2008 , 8, 847-859	3.8	24
50	Feasibility of the use of disposable optical tongue based on neural networks for heavy metal identification and determination. <i>Analytica Chimica Acta</i> , 2013 , 783, 56-64	6.6	23
49	Novel 3D lanthanum oxalate metal-organic-framework: Synthetic, structural, luminescence and adsorption properties. <i>Polyhedron</i> , 2013 , 52, 315-320	2.7	20
48	Photographing the synergy between magnetic and colour properties in spin crossover material [Fe(NH ₂ trz) ₃](BF ₄) ₂ : a temperature sensor perspective. <i>Chemical Communications</i> , 2013 , 49, 288-90	5.8	19
47	Solid-surface phosphorescence characterization of polycyclic aromatic hydrocarbons and selective determination of benzo(a)pyrene in water samples. <i>Analytica Chimica Acta</i> , 2005 , 550, 53-60	6.6	19
46	Evaluation of a reconfigurable portable instrument for copper determination based on luminescent carbon dots. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 3013-20	4.4	18

45	A facile flow-through phosphorimetric sensing device for simultaneous determination of naptalam and its metabolite 1-naphthylamine. <i>Analytica Chimica Acta</i> , 2004 , 522, 19-24	6.6	18
44	Synthesis and characterization of CdS nanocrystals stabilized in polyvinyl alcohol-sodium polyphosphate. <i>Materials Letters</i> , 2009 , 63, 638-640	3.3	17
43	Dual investigation of lanthanide complexes with cinnamate and phenylacetate ligands: Study of the cytotoxic properties and the catalytic oxidation of styrene. <i>Polyhedron</i> , 2014 , 80, 117-128	2.7	16
42	A Potassium Metal-Organic Framework based on Perylene-3,4,9,10-tetracarboxylate as Sensing Layer for Humidity Actuators. <i>Scientific Reports</i> , 2018 , 8, 14414	4.9	16
41	Long lifetime photoluminescence emission of 3D cadmium metal-organic frameworks based on the 5-(4-pyridyl)tetrazole ligand. <i>Inorganica Chimica Acta</i> , 2015 , 427, 131-137	2.7	15
40	Sensitive and simple determination of the vasodilator agent dipyridamole in pharmaceutical preparations by phosphorimetry. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 376, 1111-4	4.4	15
39	Monitoring of degradation of porous silicon photonic crystals using digital photography. <i>Nanoscale Research Letters</i> , 2014 , 9, 410	5	14
38	Novel metal-organic frameworks based on 5-bromonicotinic acid: Multifunctional materials with H ₂ purification capabilities. <i>CrystEngComm</i> , 2012 , 14, 6390	3.3	13
37	Synthesis, structures and luminescence properties of two new Zn(II) coordination compounds incorporating the 5-(4-pyridyl)tetrazolate spacer ligand. <i>Inorganica Chimica Acta</i> , 2010 , 363, 3194-3199	2.7	13
36	Cellulose nanofibers as substrate for flexible and biodegradable moisture sensors. <i>Composites Science and Technology</i> , 2021 , 208, 108738	8.6	13
35	Thermoresponsive Gold Polymer Nanohybrids with a Tunable Cross-Linked MEO ₂ MA Polymer Shell. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 1183-1191	3.1	12
34	Multienzymatic system immobilization in sol-gel slides: fluorescent superoxide biosensors development. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1526-9	11.8	12
33	A vinyl sulfone clicked carbon dot-engineered microfluidic paper-based analytical device for fluorometric determination of biothiols. <i>Mikrochimica Acta</i> , 2020 , 187, 421	5.8	11
32	Towards a potential 4,4'-(1,2,4,5-tetrazine-3,6-diyl) dibenzoic spacer to construct metal-organic frameworks. <i>New Journal of Chemistry</i> , 2015 , 39, 6453-6458	3.6	9
31	Highly stable luminescent europium-doped calcium phosphate nanoparticles for creatinine quantification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111337	6	9
30	Engineered glycated amino dendritic polymers as specific nonviral gene delivery vectors targeting the receptor for advanced glycation end products. <i>Bioconjugate Chemistry</i> , 2014 , 25, 1151-61	6.3	9
29	Fluorene-based stannylated polymers and their use as recyclable reagents in the Stille reaction. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 3316-3321	2.3	9
28	Unique Metal-Organic-Framework with based on 4'-tetrazolate-4-biphenyl carboxylate spacer: Blue-green photoluminescence. <i>Polyhedron</i> , 2014 , 80, 228-232	2.7	8

27	A new 2D cadmium chloride network with 2-aminopyrimidine displaying long lifetime photoluminescence emission. <i>Polyhedron</i> , 2011 , 30, 1295-1298	2.7	8
26	Solvent dependent behaviour of poly(9-vinylcarbazole)-based polymer light emitting diodes. <i>Solid-State Electronics</i> , 2010 , 54, 1269-1272	1.7	7
25	Luminescence and Magnetic Properties of Two Three-Dimensional Terbium and Dysprosium MOFs Based on Azobenzene-4,4SDicarboxylic Linker. <i>Polymers</i> , 2016 , 8,	4.5	7
24	Bidimensional cadmium metal-organic frameworks based on 1,3-bis(4-pyridyl)propane displaying long lifetime photoluminescence emission. <i>Polyhedron</i> , 2015 , 91, 47-51	2.7	6
23	Slow relaxation of magnetization and luminescence properties of a novel dysprosium and pyrene-1,3,6,8-tetrasulfonate based MOF. <i>New Journal of Chemistry</i> , 2018 , 42, 832-837	3.6	6
22	Acid anhydride coated carbon nanodots: activated platforms for engineering clicked (bio)nanoconstructs. <i>Nanoscale</i> , 2019 , 11, 7850-7856	7.7	5
21	Portable Instrument for Hemoglobin Determination Using Room-Temperature Phosphorescent Carbon Dots. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
20	Direct synthesis of PbS nanocrystals capped with 4-fluorothiophenol in semiconducting polymer. <i>Materials Chemistry and Physics</i> , 2010 , 122, 459-462	4.4	5
19	In situ synthesis of fluorescent silicon nanodots for determination of total carbohydrates in a paper microfluidic device combined with laser prepared graphene heater. <i>Sensors and Actuators B: Chemical</i> , 2021 , 332, 129506	8.5	5
18	Quantitative assessment of cellular uptake and differential toxic effects of HgSe nanoparticles in human cells. <i>Journal of Analytical Atomic Spectrometry</i> , 2020 , 35, 1979-1988	3.7	4
17	Carbon dots-inspired fluorescent cyclodextrins: competitive supramolecular "off-on" (bio)sensors. <i>Nanoscale</i> , 2020 , 12, 9178-9185	7.7	4
16	Influence of SPP co-stabilizer on the optical properties of CdS quantum dots grown in PVA. <i>Physics Procedia</i> , 2009 , 2, 335-338		4
15	Carbon Dots as Sensing Layer for Printed Humidity and Temperature Sensors. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
14	Development of a printed sensor for volatile organic compound detection at $\mu\text{g/L}$ -level. <i>Sensors and Actuators B: Chemical</i> , 2016 , 230, 115-122	8.5	3
13	Simple determination of the herbicide napropamide in water and soil samples by room temperature phosphorescence. <i>Pest Management Science</i> , 2005 , 61, 816-20	4.6	3
12	Reversal of a Fluorescent Fluoride Chemosensor from Turn-Off to Turn-On Based on Aggregation Induced Emission Properties.. <i>ACS Sensors</i> , 2022 ,	9.2	3
11	Magnetic and Luminescent Properties of Isostructural 2D Coordination Polymers Based on 2-Pyrimidinecarboxylate and Lanthanide Ions. <i>Crystals</i> , 2020 , 10, 571	2.3	3
10	Synthesis of a thermoresponsive crosslinked MEOMA polymer coating on microclusters of iron oxide nanoparticles. <i>Scientific Reports</i> , 2021 , 11, 3947	4.9	3

9	Optimization of Cost-Effective and Reproducible Flexible Humidity Sensors Based on Metal-Organic Frameworks. <i>Sensors</i> , 2020 , 20,	3.8	2
8	2D-cadmium MOF and gismondine-like zinc coordination network based on the N-(2-tetrazolethyl)-4?-glycine linker. <i>New Journal of Chemistry</i> , 2015 , 39, 3982-3986	3.6	2
7	Room-temperature, phosphorimetric determination of the beta-blocking agent pindolol in pharmaceutical tablets, urine and blood serum. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1945-844	4.4	2
6	Experimental and theoretical study of photoluminescence and magnetic properties of metalorganic polymers based on squarate and tetrazolate moieties containing linkers. <i>New Journal of Chemistry</i> , 2015 , 39, 9926-9930	3.6	1
5	Comparison of Laser-Synthetized Nanographene-Based Electrodes for Flexible Supercapacitors. <i>Micromachines</i> , 2020 , 11,	3.3	1
4	Photoluminescence of the first examples of metalorganic frameworks with two novel tetrazolatephenyl acetic acid derivatives: an experimental and theoretical study. <i>CrystEngComm</i> , 2014 , 16, 10492-10496	3.3	1
3	Cost-Effective Techniques for Sensors Technology. <i>Journal of Sensors</i> , 2019 , 2019, 1-2	2	1
2	Acoustic characterization of laser-induced graphene film thermoacoustic loudspeakers 2019 ,		1
1	Exploring the Slow Magnetic Relaxation of a Family of Photoluminescent 3D LanthanideOrganic Frameworks Based on Dicarboxylate Ligands. <i>Magnetochemistry</i> , 2021 , 7, 41	3.1	