

Alfonso Salinas-Castillo

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3046855/alfonso-salinas-castillo-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
79	Exploring the Slow Magnetic Relaxation of a Family of Photoluminescent 3D Lanthanide Organic Frameworks Based on Dicarboxylate Ligands. <i>Magnetochemistry</i> , 2021 , 7, 41	3.1	
78	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
77	Cellulose nanofibers as substrate for flexible and biodegradable moisture sensors. <i>Composites Science and Technology</i> , 2021 , 208, 108738	8.6	13
76	Synthesis of a thermoresponsive crosslinked MEOMA polymer coating on microclusters of iron oxide nanoparticles. <i>Scientific Reports</i> , 2021 , 11, 3947	4.9	3
75	Carbon Dots as Sensing Layer for Printed Humidity and Temperature Sensors. <i>Nanomaterials</i> , 2020 , 10,	5.4	3
74	Optimization of Cost-Effective and Reproducible Flexible Humidity Sensors Based on Metal-Organic Frameworks. <i>Sensors</i> , 2020 , 20,	3.8	2
73	Highly stable luminescent europium-doped calcium phosphate nanoparticles for creatinine quantification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111337	6	9
72	Portable Instrument for Hemoglobin Determination Using Room-Temperature Phosphorescent Carbon Dots. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
71	Comparison of Laser-Synthesized Nanographene-Based Electrodes for Flexible Supercapacitors. <i>Micromachines</i> , 2020 , 11,	3.3	1
70	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
69	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
68	Carbon dots-inspired fluorescent cyclodextrins: competitive supramolecular "off-on" (bio)sensors. <i>Nanoscale</i> , 2020 , 12, 9178-9185	7.7	4
67	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
66	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
65	Acid anhydride coated carbon nanodots: activated platforms for engineering clicked (bio)nanoconstructs. <i>Nanoscale</i> , 2019 , 11, 7850-7856	7.7	5
64	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

63	Cost-Effective Techniques for Sensors Technology. <i>Journal of Sensors</i> , 2019 , 2019, 1-2	2	1
62	Acoustic characterization of laser-induced graphene film thermoacoustic loudspeakers 2019 ,		1
61	Flexible and robust laser-induced graphene heaters photothermally scribed on bare polyimide substrates. <i>Carbon</i> , 2019 , 144, 116-126	10.4	83
60	Slow relaxation of magnetization and luminescence properties of a novel dysprosium and pyrene-1,3,6,8-tetrakisulfonate based MOF. <i>New Journal of Chemistry</i> , 2018 , 42, 832-837	3.6	6
59	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
58	In-Depth Study of Laser Diode Ablation of Kapton Polyimide for Flexible Conductive Substrates. <i>Nanomaterials</i> , 2018 , 8,	5.4	36
57	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
56	A 3D μ PAD based on a multi-enzyme organic-inorganic hybrid nanoflower reactor. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 51-5	11.8	48
55	Development of a printed sensor for volatile organic compound detection at μ L-level. <i>Sensors and Actuators B: Chemical</i> , 2016 , 230, 115-122	8.5	3
54	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
53	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
52	Luminescence and Magnetic Properties of Two Three-Dimensional Terbium and Dysprosium MOFs Based on Azobenzene-4,4'-dicarboxylic Linker. <i>Polymers</i> , 2016 , 8,	4.5	7
51	Tetrazine-based chemistry for nitrite determination in a paper microfluidic device. <i>Talanta</i> , 2016 , 160, 721-728	6.2	29
50	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
49	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
48	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
47	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
46	Experimental and theoretical study of photoluminescence and magnetic properties of metal-organic polymers based on squarate and tetrazolate moieties containing linkers. <i>New Journal of Chemistry</i> , 2015 , 39, 9926-9930	3.6	1

45	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
44	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
43	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
42	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
41	Microsystem-assisted synthesis of carbon dots with fluorescent and colorimetric properties for pH detection. <i>Nanoscale</i> , 2014 , 6, 6018-24	7.7	61
40	Printed disposable colorimetric array for metal ion discrimination. <i>Analytical Chemistry</i> , 2014 , 86, 8634-41.8	4.8	31
39	Monitoring of degradation of porous silicon photonic crystals using digital photography. <i>Nanoscale Research Letters</i> , 2014 , 9, 410	5	14
38	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
37	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
36	Engineered glycosylated 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
35	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
34	Thermoresponsive Gold Polymer Nanohybrids with a Tunable Cross-Linked MEO2MA Polymer Shell. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 1183-1191	3.1	12
33	Photoluminescence of the first examples of metal-organic frameworks with two novel tetrazolatephenyl acetic acid derivatives: an experimental and theoretical study. <i>CrystEngComm</i> , 2014 , 16, 10492-10496	3.3	1
32	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
31	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
30	Novel 3D lanthanum oxalate metal-organic-framework: Synthetic, structural, luminescence and adsorption properties. <i>Polyhedron</i> , 2013 , 52, 315-320	2.7	20
29	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
28	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

27	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
26	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
25	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
24	Fluorescent conjugated polymers for chemical and biochemical sensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1513-1525	14.6	86
23	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
22	A new 2D cadmium chloride network with 2-aminopyrimidine displaying long lifetime photoluminescence emission. <i>Polyhedron</i> , 2011 , 30, 1295-1298	2.7	8
21	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
20	A chiral diamondoid 3D lanthanum metal-organic framework displaying blue-greenish long lifetime photoluminescence emission. <i>CrystEngComm</i> , 2010 , 12, 1876	3.3	62
19	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
18	Multienzymatic system immobilization in sol-gel slides: fluorescent superoxide biosensors development. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1526-9	11.8	12
17	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
16	Solvent dependent behaviour of poly(9-vinylcarbazole)-based polymer light emitting diodes. <i>Solid-State Electronics</i> , 2010 , 54, 1269-1272	1.7	7
15	Synthesis and characterization of CdS nanocrystals stabilized in polyvinyl alcohol-sodium polyphosphate. <i>Materials Letters</i> , 2009 , 63, 638-640	3.3	17
14	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
13	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
12	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
11	Pyridine Vapors Detection by an Optical Fibre Sensor. <i>Sensors</i> , 2008 , 8, 847-859	3.8	24
10	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

9	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
8	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, 1945-8	4.4	2
7	Iodinated molecularly imprinted polymer for room temperature phosphorescence optosensing of fluoranthene. <i>Chemical Communications</i> , 2005 , 3224-6	5.8	29
6	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
5	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
4	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
3	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
2	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
1	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