

Jorge O Escobedo

List of Publications by Year in descending order

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61
papers

4,557
citations

172457

29
h-index

133252

59
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64
all docs

64
docs citations

64
times ranked

5624
citing authors

#	ARTICLE	IF	CITATIONS
1	NIR dyes for bioimaging applications. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 64-70.	6.1	687
2	Detection of Homocysteine and Cysteine. <i>Journal of the American Chemical Society</i> , 2005, 127, 15949-15958.	13.7	563
3	Visual Detection of Cysteine and Homocysteine. <i>Journal of the American Chemical Society</i> , 2004, 126, 438-439.	13.7	490
4	A dual emission fluorescent probe enables simultaneous detection of glutathione and cysteine/homocysteine. <i>Chemical Science</i> , 2014, 5, 2177.	7.4	317
5	An Organic White Light-Emitting Fluorophore. <i>Journal of the American Chemical Society</i> , 2006, 128, 14081-14092.	13.7	198
6	Direct Detection of Homocysteine. <i>Journal of the American Chemical Society</i> , 2004, 126, 3400-3401.	13.7	188
7	Recent progress in chromogenic and fluorogenic chemosensors for hypochlorous acid. <i>Analyst</i> , The, 2016, 141, 1859-1873.	3.5	159
8	Benzene formation in electronic cigarettes. <i>PLoS ONE</i> , 2017, 12, e0173055.	2.5	149
9	pH-Dependent Fluorescent Probe That Can Be Tuned for Cysteine or Homocysteine. <i>Organic Letters</i> , 2017, 19, 82-85.	4.6	136
10	Homocystamides promote free-radical and oxidative damage to proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 551-554.	7.1	127
11	Seminaphthofluorones are a family of water-soluble, low molecular weight, NIR-emitting fluorophores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8829-8834.	7.1	114
12	Selective fluorescence detection of cysteine and N-terminal cysteine peptide residues. <i>Chemical Communications</i> , 2010, 46, 5707.	4.1	110
13	Lanthanide complexes as fluorescent indicators for neutral sugars and cancer biomarkers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9756-9760.	7.1	78
14	A Fast Response Highly Selective Probe for the Detection of Glutathione in Human Blood Plasma. <i>Sensors</i> , 2012, 12, 5940-5950.	3.8	78
15	Stereochemical and Regiochemical Trends in the Selective Detection of Saccharides. <i>Journal of the American Chemical Society</i> , 2006, 128, 12221-12228.	13.7	72
16	Chromophore Formation in Resorcinarene Solutions and the Visual Detection of Mono- and Oligosaccharides. <i>Journal of the American Chemical Society</i> , 2002, 124, 5000-5009.	13.7	69
17	In Situ Lysosomal Cysteine-Specific Targeting and Imaging during Dexamethasone-Induced Apoptosis. <i>Analytical Chemistry</i> , 2018, 90, 7018-7024.	6.5	69
18	A Chemomechanical Polymer that Functions in Blood Plasma with High Glucose Selectivity. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5319-5322.	13.8	65

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19	Differences in heterocycle basicity distinguish homocysteine from cysteine using aldehyde-bearing fluorophores. <i>Chemical Communications</i> , 2014, 50, 8219-8222.	4.1	65
20	A Convenient Preparation of Xanthene Dyes. <i>Journal of Organic Chemistry</i> , 2005, 70, 6907-6912.	3.2	54
21	Field Effects Induce Bathochromic Shifts in Xanthene Dyes. <i>Journal of the American Chemical Society</i> , 2012, 134, 10502-10508.	13.7	54
22	E-cigarettes can emit formaldehyde at high levels under conditions that have been reported to be non-averse to users. <i>Scientific Reports</i> , 2018, 8, 7559.	3.3	53
23	Convenient Iterative Synthesis of an Octameric Tetracarboxylate-Functionalized Oligophenylene Rod with Divergent End Groups. <i>Organic Letters</i> , 2000, 2, 3201-3204.	4.6	48
24	E-Cigarette Airflow Rate Modulates Toxicant Profiles and Can Lead to Concerning Levels of Solvent Consumption. <i>ACS Omega</i> , 2018, 3, 30-36.	3.5	42
25	A simple assay for glutathione in whole blood. <i>Analyst, The</i> , 2015, 140, 3339-3342.	3.5	38
26	A Diselenide Turn-On Fluorescent Probe for the Detection of Thioredoxin Reductase. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15147-15151.	13.8	35
27	Use of a commercially available reagent for the selective detection of homocysteine in plasma. <i>Nature Protocols</i> , 2006, 1, 2759-2762.	12.0	33
28	Solid-State Supramolecular Structures of Resorcinol- <i>o</i> -Arylboronic Acid Compounds. <i>Organic Letters</i> , 2001, 3, 2443-2445.	4.6	31
29	Systemic Delivery and Biodistribution of Cisplatin <i>in Vivo</i> . <i>Molecular Pharmaceutics</i> , 2016, 13, 2677-2682.	4.6	31
30	Formaldehyde Hemiacetal Sampling, Recovery, and Quantification from Electronic Cigarette Aerosols. <i>Scientific Reports</i> , 2017, 7, 11044.	3.3	31
31	Altering Fundamental Trends in the Emission of Xanthene Dyes. <i>Journal of Organic Chemistry</i> , 2019, 84, 2585-2595.	3.2	29
32	A photochemical method for determining plasma homocysteine with limited sample processing. <i>Chemical Communications</i> , 2014, 50, 3071-3073.	4.1	28
33	Macrocyclic-Derived Functional Xanthenes and Progress Towards Concurrent Detection of Glucose and Fructose. <i>Journal of Fluorescence</i> , 2004, 14, 611-615.	2.5	27
34	Postcolumn HPLC Detection of Mono- and Oligosaccharides with a Chemosensor. <i>Organic Letters</i> , 2003, 5, 5007-5010.	4.6	26
35	Far-Red and Near-Infrared Semianaphthofluorophores for Targeted Pancreatic Cancer Imaging. <i>ACS Omega</i> , 2017, 2, 154-163.	3.5	25
36	Varied Length Stokes Shift BODIPY-Based Fluorophores for Multicolor Microscopy. <i>Scientific Reports</i> , 2018, 8, 4590.	3.3	22

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37	A Supramolecular Approach to Protein Labeling. A Novel Fluorescent Bioassay for Concanavalin A Activity. <i>Organic Letters</i> , 2004, 6, 1373-1376.	4.6	21
38	Progress toward red and near-infrared (NIR) emitting saccharide sensors. <i>Pure and Applied Chemistry</i> , 2012, 84, 2443-2456.	1.9	19
39	Spiroguanidine rhodamines as fluorogenic probes for lysophosphatidic acid. <i>Chemical Communications</i> , 2015, 51, 1697-1700.	4.1	18
40	Investigation of the photooxidation of [60]fullerene for the presence of the [5,6]-open oxidoannulene C60O isomer. <i>Tetrahedron Letters</i> , 2002, 43, 6117-6119.	1.4	17
41	Simple enrichment and analysis of plasma lysophosphatidic acids. <i>Analyst, The</i> , 2013, 138, 6852.	3.5	14
42	Mild Colorimetric Detection of Sialic Acid. <i>Collection of Czechoslovak Chemical Communications</i> , 2004, 69, 1282-1291.	1.0	13
43	Fluorescein Tri-Aldehyde Promotes the Selective Detection of Homocysteine. <i>Journal of Fluorescence</i> , 2016, 26, 731-737.	2.5	13
44	Designing Calcium Release Channel Inhibitors with Enhanced Electron Donor Properties: Stabilizing the Closed State of Ryanodine Receptor Type 1. <i>Molecular Pharmacology</i> , 2012, 81, 53-62.	2.3	12
45	Convenient synthesis and single-crystal X-ray structures of two tetrafluoro[2,2]paracyclophane isomers. <i>Tetrahedron Letters</i> , 2001, 42, 3555-3557.	1.4	10
46	Detecting specific saccharides via a single indicator. <i>Chemical Communications</i> , 2011, 47, 8295.	4.1	10
47	Detection of Biological Thiols. , 2006, , 139-162.		9
48	A Diselenide Turn-On Fluorescent Probe for the Detection of Thioredoxin Reductase. <i>Angewandte Chemie</i> , 2020, 132, 15259-15263.	2.0	8
49	The reaction of [60]fullerene with 2-diazo-4,5-dicyanoimidazole. <i>Tetrahedron Letters</i> , 2001, 42, 6823-6825.	1.4	7
50	Solution and solid structure of a boc-protected piperidine-spiro-hydantoin as studied by two-dimensional NMR and X-ray crystallography. <i>Journal of Molecular Structure</i> , 2004, 687, 65-72.	3.6	6
51	Live cell imaging of a fluorescent gentamicin conjugate. <i>Natural Product Communications</i> , 2012, 7, 317-20.	0.5	6
52	Live Cell Imaging of a Fluorescent Gentamicin Conjugate. <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	5
53	Rhodamine analogs for molecular ruler applications. <i>Dyes and Pigments</i> , 2016, 126, 46-53.	3.7	5
54	Synthetic food dyes in electronic cigarettes. <i>Dyes and Pigments</i> , 2019, 160, 509-513.	3.7	4

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55	Fluorogenic probes for thioredoxin reductase activity. Results in Chemistry, 2021, 3, 100127.	2.0	4
56	An Unusual Seven-Bond H α -H Spin Coupling. Organic Letters, 2000, 2, 3813-3815.	4.6	3
57	Templated polymers enable selective capture and release of lysophosphatidic acid in human plasma via optimization of non-covalent binding to functional monomers. Analyst, The, 2015, 140, 7572-7577.	3.5	2
58	Assessment of human pancreas cancer tissue and precursor lesions via a fluorophore with inherent PDAC selectivity. Methods, 2019, 168, 35-39.	3.8	2
59	A Convenient Preparation of Xanthene Dyes.. ChemInform, 2005, 36, no.	0.0	0
60	Investigation of the Photooxidation of [60]Fullerene for the Presence of the [5,6]-Open Oxidoannulene C ₆₀ O Isomer.. ChemInform, 2002, 33, 117-117.	0.0	0
61	Genesis of Fluorophore Formation in Macrocyclic Solutions and the Detection of Glucose and Related Sugars. , 2006, , 21-45.		0