Robert M Strongin

List of Publications by Year
in descending order

68	6,049	136885	95218
papers	citations	32 h-index	68 g-index

74	74	74	5931
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emerging ENDS products and challenges in tobacco control toxicity research. Tobacco Control, 2024, 33, 110-115.	1.8	2
2	Chemical profiling of Cannabis varieties cultivated for medical purposes in southeastern Brazil. Forensic Science International, 2022, 335, 111309.	1.3	3
3	Effects of Common e-Liquid Flavorants and Added Nicotine on Toxicant Formation during Vaping Analyzed by ¹H NMR Spectroscopy. Chemical Research in Toxicology, 2022, 35, 1267-1276.	1.7	4
4	Vaping Cannabinoid Acetates Leads to Ketene Formation. Chemical Research in Toxicology, 2022, 35, 1202-1205.	1.7	9
5	The influence of terpenes on the release of volatile organic compounds and active ingredients to cannabis vaping aerosols. RSC Advances, 2021, 11, 11714-11723.	1.7	8
6	Fluorogenic probes for thioredoxin reductase activity. Results in Chemistry, 2021, 3, 100127.	0.9	4
7	Identifying a role for the interaction of homocysteine and copper in promoting cardiovascular-related damage. Amino Acids, 2021, 53, 739-744.	1.2	2
8	Efficacy of RyR2 inhibitor EL20 in induced pluripotent stem cellâ€derived cardiomyocytes from a patient with catecholaminergic polymorphic ventricular tachycardia. Journal of Cellular and Molecular Medicine, 2021, 25, 6115-6124.	1.6	16
9	Reply to homocysteine and copper ions: is their interaction responsible for cardiovascularâ€related damage?. Amino Acids, 2021, 53, 1299-1300.	1.2	0
10	Comparison of Chemotherapeutic Activities of Rhodamine-Based GUMBOS and NanoGUMBOS. Molecules, 2020, 25, 3272.	1.7	13
11	A simple predictive model for estimating relative e-cigarette toxic carbonyl levels. PLoS ONE, 2020, 15, e0238172.	1.1	6
12	A Diselenide Turnâ€On Fluorescent Probe for the Detection of Thioredoxin Reductase. Angewandte Chemie, 2020, 132, 15259-15263.	1.6	8
13	Toxic ketene gas forms on vaping vitamin E acetate prompting interest in its possible role in the EVALI outbreak. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7553-7554.	3.3	8
14	E-Cigarette or Vaping Product Useâ€“associated Lung Injury: Developing a Research Agenda. An NIH Workshop Report. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 795-802.	2.5	42
15	Pine rosin identified as a toxic cannabis extract adulterant. Forensic Science International, 2020, 312, 110301.	1.3	9
16	A Diselenide Turnâ€On Fluorescent Probe for the Detection of Thioredoxin Reductase. Angewandte Chemie - International Edition, 2020, 59, 15147-15151.	7.2	35
17	Aerosol Gas-Phase Components from Cannabis E-Cigarettes and Dabbing: Mechanistic Insight and Quantitative Risk Analysis. ACS Omega, 2019, 4, 16111-16120.	1.6	38
18	Altering Fundamental Trends in the Emission of Xanthene Dyes. Journal of Organic Chemistry, 2019, 84, 2585-2595.	1.7	29

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19	Functional synthetic probes for selective targeting and multi-analyte detection and imaging. Chemical Society Reviews, 2019, 48, 4155-4177.	18.7	259
20	Assessment of human pancreas cancer tissue and precursor lesions via a fluorophore with inherent PDAC selectivity. Methods, 2019, 168, 35-39.	1.9	2
21	Free-Base Nicotine Is Nearly Absent in Aerosol from IQOS Heat-Not-Burn Devices, As Determined by 1H NMR Spectroscopy. Chemical Research in Toxicology, 2019, 32, 974-976.	1.7	9
22	Sucralose-Enhanced Degradation of Electronic Cigarette Liquids during Vaping. Chemical Research in Toxicology, 2019, 32, 1241-1249.	1.7	22
23	Multiple biomarker algorithms to predict epithelial ovarian cancer in women with a pelvic mass: Can additional makers improve performance?. Gynecologic Oncology, 2019, 154, 150-155.	0.6	25
24	E-Cigarette Chemistry and Analytical Detection. Annual Review of Analytical Chemistry, 2019, 12, 23-39.	2.8	56
25	EL20, a potent antiarrhythmic compound, selectively inhibits calmodulin-deficient ryanodine receptor type 2. Heart Rhythm, 2018, 15, 578-586.	0.3	26
26	Dihydroxyacetone levels in electronic cigarettes: Wick temperature and toxin formation. Aerosol Science and Technology, 2018, 52, 370-376.	1.5	23
27	E-Cigarette Airflow Rate Modulates Toxicant Profiles and Can Lead to Concerning Levels of Solvent Consumption. ACS Omega, 2018, 3, 30-36.	1.6	42
28	Varied Length Stokes Shift BODIPY-Based Fluorophores for Multicolor Microscopy. Scientific Reports, 2018, 8, 4590.	1.6	22
29	E-cigarettes can emit formaldehyde at high levels under conditions that have been reported to be non-averse to users. Scientific Reports, 2018, 8, 7559.	1.6	53
30	In Situ Lysosomal Cysteine-Specific Targeting and Imaging during Dexamethasone-Induced Apoptosis. Analytical Chemistry, 2018, 90, 7018-7024.	3.2	69
31	Triacetin Enhances Levels of Acrolein, Formaldehyde Hemiacetals, and Acetaldehyde in Electronic Cigarette Aerosols. ACS Omega, 2018, 3, 7165-7170.	1.6	28
32	Far-Red and Near-Infrared Seminaphthofluorophores for Targeted Pancreatic Cancer Imaging. ACS Omega, 2017, 2, 154-163.	1.6	25
33	Solvent Chemistry in the Electronic Cigarette Reaction Vessel. Scientific Reports, 2017, 7, 42549.	1.6	127
34	pH-Dependent Fluorescent Probe That Can Be Tuned for Cysteine or Homocysteine. Organic Letters, 2017, 19, 82-85.	2.4	136
35	Formaldehyde Hemiacetal Sampling, Recovery, and Quantification from Electronic Cigarette Aerosols. Scientific Reports, 2017, 7, 11044.	1.6	31
36	Toxicant Formation in Dabbing: The Terpene Story. ACS Omega, 2017, 2, 6112-6117.	1.6	48

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37	Fluoreszenzsonden mit mehreren Bindungsstellen unterscheiden zwischen Cys, Hcy und GSH. Angewandte Chemie, 2017, 129, 13368-13379.	1.6	39
38	Fluorescent Probes with Multiple Binding Sites for the Discrimination of Cys, Hcy, and GSH. Angewandte Chemie - International Edition, 2017, 56, 13188-13198.	7.2	385
39	Treatment of catecholaminergic polymorphic ventricular tachycardia in mice using novel RyR2-modifying drugs. International Journal of Cardiology, 2017, 227, 668-673.	0.8	27
40	Benzene formation in electronic cigarettes. PLoS ONE, 2017, 12, e0173055.	1.1	149
41	Systemic Delivery and Biodistribution of Cisplatin in Vivo. Molecular Pharmaceutics, 2016, 13, 2677-2682.	2.3	31
42	Fluorescein Tri-Aldehyde Promotes the Selective Detection of Homocysteine. Journal of Fluorescence, 2016, 26, 731-737.	1.3	13
43	Rhodamine analogs for molecular ruler applications. Dyes and Pigments, 2016, 126, 46-53.	2.0	5
44	Recent progress in chromogenic and fluorogenic chemosensors for hypochlorous acid. Analyst, The, 2016, 141, 1859-1873.	1.7	159
45	Fluorescence, Phosphorescence, and Chemiluminescence. Analytical Chemistry, 2016, 88, 170-202.	3.2	95
46	Hidden Formaldehyde in E-Cigarette Aerosols. New England Journal of Medicine, 2015, 372, 392-394.	13.9	496
47	A simple assay for glutathione in whole blood. Analyst, The, 2015, 140, 3339-3342.	1.7	38
48	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.	1.7	2
49	Spiroguanidine rhodamines as fluorogenic probes for lysophosphatidic acid. Chemical Communications, 2015, 51, 1697-1700.	2.2	18
50	A dual emission fluorescent probe enables simultaneous detection of glutathione and cysteine/homocysteine. Chemical Science, 2014, 5, 2177.	3.7	317
51	A photochemical method for determining plasma homocysteine with limited sample processing. Chemical Communications, 2014, 50, 3071-3073.	2.2	28
52	Differences in heterocycle basicity distinguish homocysteine from cysteine using aldehyde-bearing fluorophores. Chemical Communications, 2014, 50, 8219-8222.	2.2	65
53	Thiol Reactive Probes and Chemosensors. Sensors, 2012, 12, 15907-15946.	2.1	246
54	A Fast Response Highly Selective Probe for the Detection of Glutathione in Human Blood Plasma. Sensors, 2012, 12, 5940-5950.	2.1	78

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55	A seminaphthofluorescein-based fluorescent chemodosimeter for the highly selective detection of cysteine. Organic and Biomolecular Chemistry, 2012, 10, 2739.	1.5	123
56	Detailed mechanistic investigation into the S-nitrosation of cysteamine. Canadian Journal of Chemistry, 2012, 90, 724-738.	0.6	5
57	Progress toward red and near-infrared (NIR) emitting saccharide sensors. Pure and Applied Chemistry, 2012, 84, 2443-2456.	0.9	19
58	Live Cell Imaging of a Fluorescent Gentamicin Conjugate. Natural Product Communications, 2012, 7, 1934578X1200700.	0.2	5
59	Field Effects Induce Bathochromic Shifts in Xanthene Dyes. Journal of the American Chemical Society, 2012, 134, 10502-10508.	6.6	54
60	Conjugate Addition/Cyclization Sequence Enables Selective and Simultaneous Fluorescence Detection of Cysteine and Homocysteine. Angewandte Chemie - International Edition, 2011, 50, 10690-10693.	7.2	603
61	Homocystamides promote free-radical and oxidative damage to proteins. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 551-554.	3.3	127
62	Exploring the pH dependence of viologen reduction by Î±-carbon radicals derived from Hcy and Cys. Chemical Communications, 2009, , 1876.	2.2	26
63	Seminaphthofluorones are a family of water-soluble, low molecular weight, NIR-emitting fluorophores. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8829-8834.	3.3	114
64	An Organic White Light-Emitting Fluorophore. Journal of the American Chemical Society, 2006, 128, 14081-14092.	6.6	198
65	Use of a commercially available reagent for the selective detection of homocysteine in plasma. Nature Protocols, 2006, 1, 2759-2762.	5.5	33
66	Detection of Homocysteine and Cysteine. Journal of the American Chemical Society, 2005, 127, 15949-15958.	6.6	563
67	Direct Detection of Homocysteine. Journal of the American Chemical Society, 2004, 126, 3400-3401.	6.6	188
68	Visual Detection of Cysteine and Homocysteine. Journal of the American Chemical Society, 2004, 126, 438-439.	6.6	490