Richard Horobin

List of Publications by Year
in descending order

49 papers	2,638 citations	331259 21 h-index	253896 43 g-index
51 all docs	51 docs citations	51 times ranked	3922 citing authors

#	Article	IF	Citations
1	At least four distinct blue cationic phthalocyanine dyes sold as â€œalcian blueâ€• raises the question: what is alcian blue?. Biotechnic and Histochemistry, 2022, 97, 11-20.	0.7	1
2	Using QSAR to Predict by Small-Molecule Within Living Cells. Methods in Molecular Biology, 2021, 2275, 1-11.	0.4	0
3	Using an Integrated QSAR Model to Check Whether Small-Molecule Xenobiotics Will Accumulate in Biomembranes, with Particular Reference to Fluorescent Imaging Probes. Methods in Pharmacology and Toxicology, 2021, , 163-177.	0.1	0
4	Fluorescent redox-dependent labeling of lipid droplets in cultured cells by reduced phenazine methosulfate. Heliyon, 2020, 6, e04182.	1.4	6
5	Revised tests and standards for Biological Stain Commission certification of alcian blue dyes. Biotechnic and Histochemistry, 2020, 95, 333-340.	0.7	7
6	Curious about stains? Need help with staining? Asking for a friend? Try the Biological Stain Commissionâ€™s online Stain Glossary. Biotechnic and Histochemistry, 2020, 95, 161-162.	0.7	0
7	Tetrazolium salts and formazan products in Cell Biology: Viability assessment, fluorescence imaging, and labeling perspectives. Acta Histochemica, 2018, 120, 159-167.	0.9	391
8	A review of curcumin as a biological stain and as a self-visualizing pharmaceutical agent. Biotechnic and Histochemistry, 2017, 92, 315-323.	0.7	6
9	Prediction of Intracellular Localization of Fluorescent Dyes Using QSAR Models. Combinatorial Chemistry and High Throughput Screening, 2016, 19, 378-383.	0.6	7
10	Massive Bioaccumulation and Selfâ€Assembly of Phenazine Compounds in Live Cells. Advanced Science, 2015, 2, 1500025.	5.6	18
11	Uptake and localization mechanisms of fluorescent and colored lipid probes. Part 2. QSAR models that predict localization of fluorescent probes used to identify (â€œspecifically stainâ€) various biomembranes and membranous organelles. Biotechnic and Histochemistry, 2015, 90, 241-254.	0.7	15
12	Uptake and localization mechanisms of fluorescent and colored lipid probes. Part 3. Protocols for predicting intracellular localization of lipid probes using QSAR models. Biotechnic and Histochemistry, 2015, 90, 255-263.	0.7	8
13	Predicting Mitochondrial Targeting by Small Molecule Xenobiotics Within Living Cells Using QSAR Models. Methods in Molecular Biology, 2015, 1265, 13-23.	0.4	9
14	Necrosis avid near infrared fluorescent cyanines for imaging cell death and their use to monitor therapeutic efficacy in mouse tumor models. Oncotarget, 2015, 6, 39036-39049.	0.8	28
15	Where do dyes go inside living cells? Predicting uptake, intracellular localisation, and accumulation using <scp>QSAR</scp> models. Coloration Technology, 2014, 130, 155-173.	0.7	9
16	Uptake and localisation of small-molecule fluorescent probes in living cells: a critical appraisal of QSAR models and a case study concerning probes for DNA and RNA. Histochemistry and Cell Biology, 2013, 139, 623-637.	0.8	45
17	Biological Stain Commission Symposium, 2012: Fluorochromes. Biotechnic and Histochemistry, 2013, 88, 426-427.	0.7	3
18	Predicting small molecule fluorescent probe localization in living cells using QSAR modeling. 1. Overview and models for probes of structure, properties and function in single cells. Biotechnic and Histochemistry, 2013, 88, 440-460.	0.7	103

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19	Predicting small molecule fluorescent probe localization in living cells using QSAR modeling. 2. Specifying probe, protocol and cell factors; selecting QSAR models; predicting entry and localization. Biotechnic and Histochemistry, 2013, 88, 461-476.	0.7	54
20	Alternative methods for estimating common descriptors for QSAR studies of dyes and fluorescent probes using molecular modeling software. 2. Correlations between log P and the hydrophilic/lipophilic index, and new methods for estimating degrees of amphiphilicity. Biotechnic and Histochemistry, 2013, 88, 489-497.	0.7	8
21	MTT assay for cell viability: Intracellular localization of the formazan product is in lipid droplets. Acta Histochemica, 2012, 114, 785-796.	0.9	463
22	Predicting and avoiding subcellular compartmentalization artifacts arising from acetoxymethyl ester calcium imaging probes. The case of fluo-3 AM and a general account of the phenomenon including a problem avoidance chart. Biotechnic and Histochemistry, 2012, 87, 468-483.	0.7	15
23	Tracking living decapod larvae: mass staining of eggs with neutral red prior to hatching. Biotechnic and Histochemistry, 2012, 87, 229-234.	0.7	2
24	Uptake and localization mechanisms of fluorescent and colored lipid probes. 1. Physicochemistry of probe uptake and localization, and the use of QSAR models for selectivity prediction. Biotechnic and Histochemistry, 2011, 86, 379-393.	0.7	10
25	How Romanowsky stains work and why they remain valuable â€" including a proposed universal Romanowsky staining mechanism and a rational troubleshooting scheme. Biotechnic and Histochemistry, 2011, 86, 36-51.	0.7	53
26	Selective labeling of lipid droplets in aldehyde fixed cell monolayers by lipophilic fluorochromes. Biotechnic and Histochemistry, 2010, 85, 277-283.	0.7	15
27	Binding of cationic dyes to DNA: distinguishing intercalation and groove binding mechanisms using simple experimental and numerical models. Biotechnic and Histochemistry, 2010, 85, 247-256.	0.7	22
28	Quantitative modeling of selective lysosomal targeting for drug design. European Biophysics Journal, 2008, 37, 1317-1328.	1.2	130
29	Nanocarrier-assisted sub-cellular targeting to the site of mitochondria improves the pro-apoptotic activity of paclitaxel. Journal of Drug Targeting, 2008, 16, 578-585.	2.1	78
30	Mitochondriotropics: A review of their mode of action, and their applications for drug and DNA delivery to mammalian mitochondria. Journal of Controlled Release, 2007, 121, 125-136.	4.8	154
31	Fluorescent cationic probes for nuclei of living cells: why are they selective? A quantitative structureâ€"activity relations analysis. Histochemistry and Cell Biology, 2006, 126, 165-175.	0.8	113
32	A predictive model for the selective accumulation of chemicals in tumor cells. European Biophysics Journal, 2005, 34, 959-966.	1.2	175
33	Why fluorescent probes for endoplasmic reticulum are selective: an experimental and QSAR-modelling study. Biotechnic and Histochemistry, 2003, 78, 323-332.	0.7	62
34	Biological staining: mechanisms and theory. Biotechnic and Histochemistry, 2002, 77, 3-13.	0.7	6
35	The misnaming of dyes and fluorescent probes--a survey of practical problems arising from errors and ambiguities in nomenclature seen in current documents and some remedial proposals. Biotechnic and Histochemistry, 2001, 76, 207-13.	0.7	0
36	Alcian Blue Pyridine Variantâ€"a Superior Alternative to Alcian Blue 8GX: Staining Performance and Stability. Biotechnic and Histochemistry, 2000, 75, 147-150.	0.7	10

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37	Lipid domains of mycobacteria studied with fluorescent molecular probes. Molecular Microbiology, 1999, 31, 1561-1572.	1.2	122
38	Fluorescent cytochemistry of acid phosphatase and demonstration of fluid-phase endocytosis using an azo dye method. Histochemistry and Cell Biology, 1997, 108, 481-487.	0.8	10
39	Factors affecting the selection and use of tetrazolium salts as cytochemical indicators of microbial viability and activity. Journal of Applied Bacteriology, 1993, 74, 433-443.	1.1	122
40	Selection of Fluorescent Golgi Complex Probes Using Structure-Activity Relationship Models. , 1993, , 73-78.		9
41	Accumulation of fluorescent nonâ€cationic probes in mitochondria of cultured cells: observations, a proposed mechanism, and some implications. Journal of Microscopy, 1991, 163, 233-241.	0.8	49
42	Predicting the behaviour and selectivity of fluorescent probes for lysosomes and related structures by means of structure-activity models. The Histochemical Journal, 1991, 23, 450-459.	0.6	108
43	Interaction of molecular probes with living cells and tissues. Part 2. Histochemistry, 1990, 94, 303-8.	1.9	80
44	A temperature controlled chamber to allow observation and measurement of uptake of fluorochromes into live cells. Journal of Microscopy, 1987, 147, 329-335.	0.8	14
45	Selection of optimum tetrazolium salts for use in histochemistry: The value of structure-staining correlations. The Histochemical Journal, 1982, 14, 301-310.	0.6	18
46	Biological Stains and Their Uses. Coloration Technology, 1975, 91, 4-14.	0.1	4
47	Rate factors in staining by Alcian Blue. The Histochemical Journal, 1974, 6, 157-174.	0.6	31
48	Impurities and staining characteristics of Alcian Blue samples. The Histochemical Journal, 1972, 4, 391-399.	0.6	26
49	Reactive dyes for living cells: Applications, artefacts, and some comparisons with textile dyeing. Coloration Technology, 0, , .	0.7	7