Anna C Croce

List of Publications by Year
in descending order

58 papers	1,671 citations	394286 19 h-index	289141 40 g-index
58 all docs	58 docs citations	58 times ranked	4251 citing authors

#	Article	IF	Citations
1	Autofluorescence spectroscopy and imaging: a tool for biomedical research and diagnosis. European Journal of Histochemistry, 2014, 58, 2461.	0.6	389
2	Natural fluorescence of normal and neoplastic human colon: A comprehensive â€œex vivoâ€•study. Lasers in Surgery and Medicine, 1995, 16, 48-60.	1.1	133
3	Diagnostic Potential of Autofluorescence for an Assisted Intraoperative Delineation of Glioblastoma Resection MarginsÂ¶. Photochemistry and Photobiology, 2003, 77, 309.	1.3	80
4	Ex vivo optical properties of human colon tissue. Lasers in Surgery and Medicine, 1994, 15, 351-357.	1.1	72
5	Light-induced fluorescence spectroscopy of adenomas, adenocarcinomas and non-neoplastic mucosa in human colon I. In vitro measurements. Journal of Photochemistry and Photobiology B: Biology, 1992, 14, 219-230.	1.7	64
6	Natural fluorescence of white blood cells: spectroscopic and imaging study. Journal of Photochemistry and Photobiology B: Biology, 1995, 30, 29-37.	1.7	64
7	Autofluorescence properties of isolated rat hepatocytes under different metabolic conditions. Photochemical and Photobiological Sciences, 2004, 3, 920.	1.6	62
8	Brain Tissue Autofluorescence: An Aid for Intraoperative Delineation of Tumor Resection Margins. Cancer Detection and Prevention, 1998, 22, 330-339.	2.1	62
9	Subcellular localization of the camptothecin analogues, topotecan and gimatecan. Biochemical Pharmacology, 2004, 67, 1035-1045.	2.0	56
10	Human liver autofluorescence: An intrinsic tissue parameter discriminating normal and diseased conditions. Lasers in Surgery and Medicine, 2010, 42, 371-378.	1.1	46
11	Autofluorescenceâ€based optical biopsy: An effective diagnostic tool in hepatology. Liver International, 2018, 38, 1160-1174.	1.9	45
12	Effect of a Novel Vacuolar-H+-ATPase Inhibitor on Cell and Tumor Response to Camptothecins. Journal of Pharmacology and Experimental Therapeutics, 2006, 318, 939-946.	1.3	37
13	Antimetastatic Effect of a Small-Molecule Vacuolar H⁺-ATPase Inhibitor in in Vitro and in Vivo Preclinical Studies. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 15-22.	1.3	30
14	Naturally-occurring porphyrins in a spontaneous-tumour bearing mouse model. Photochemical and Photobiological Sciences, 2011, 10, 1189.	1.6	29
15	QUANTITATIVE ANALYSIS OF INTRACELLULAR BEHAVIOUR OF PORPHYRINS. Photochemistry and Photobiology, 1987, 46, 663-667.	1.3	27
16	Bilirubin: an autofluorescence bile biomarker for liver functionality monitoring. Journal of Biophotonics, 2014, 7, 810-817.	1.1	26
17	Autofluorescence spectroscopy of rat liver during experimental transplantation procedure. An approach for hepatic metabolism assessment. Photochemical and Photobiological Sciences, 2005, 4, 583.	1.6	25
18	Photosensitizer accumulation in spontaneous multidrug resistant cells: a comparative study with Rhodamine 123, Rose Bengal acetate and PhotofrinÂ®. Photochemical and Photobiological Sciences, 2002, 1, 71-78.	1.6	22

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19	Efficacy of ST1968 (namitecan) on a topotecan-resistant squamous cell carcinoma. Biochemical Pharmacology, 2010, 79, 535-541.	2.0	21
20	Autofluorescence Spectroscopy for Monitoring Metabolism in Animal Cells and Tissues. Methods in Molecular Biology, 2017, 1560, 15-43.	0.4	20
21	Distribution and retention of rose bengal and disulphonated aluminium phthalocyanine: A comparative study in unicellular eukaryote. Journal of Photochemistry and Photobiology B: Biology, 1992, 16, 318-330.	1.7	19
22	Autofluorescence properties of rat liver under hypermetabolic conditions. Photochemical and Photobiological Sciences, 2007, 6, 1202-1209.	1.6	19
23	Light and Autofluorescence, Multitasking Features in Living Organisms. Photochem, 2021, 1, 67-125.	1.3	19
24	Integrated Autofluorescence Characterization of a Modified-Diet Liver Model with Accumulation of Lipids and Oxidative Stress. BioMed Research International, 2014, 2014, 1-13.	0.9	18
25	Autofluorescence of liver tissue and bile: Organ functionality monitoring during ischemia and reoxygenation. Lasers in Surgery and Medicine, 2014, 46, 412-421.	1.1	18
26	Liver autofluorescence properties in animal model under altered nutritional conditions. Photochemical and Photobiological Sciences, 2008, 7, 1046.	1.6	17
27	Fatty liver oxidative events monitored by autofluorescence optical diagnosis: Comparison between subnormothermic machine perfusion and conventional cold storage preservation. Hepatology Research, 2017, 47, 668-682.	1.8	17
28	Fatty Acid Desaturase Involvement in Non-Alcoholic Fatty Liver Disease Rat Models: Oxidative Stress Versus Metalloproteinases. Nutrients, 2019, 11, 799.	1.7	17
29	Autofluorescence spectroscopy of cells and tissues as a tool for biomedical diagnosis. Photochemical and Photobiological Sciences, 2004, 3, 189-210.	1.6	16
30	Autofluorescence Spectrofluorometry of central nervous system (CNS) neuromediators. Lasers in Surgery and Medicine, 2004, 34, 39-47.	1.1	15
31	Biological Effects of a New Vacuolarâ€H,⁺â€ATPase Inhibitor in Colon Carcinoma Cell Lines. Annals of the New York Academy of Sciences, 2009, 1171, 606-616.	1.8	15
32	Autofluorescence properties of murine embryonic stem cells during spontaneous differentiation phases. Lasers in Surgery and Medicine, 2013, 45, 597-607.	1.1	13
33	Autofluorescence discrimination of metabolic fingerprint in nutritional and genetic fatty liver models. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 13-20.	1.7	13
34	Liver Graft Susceptibility during Static Cold Storage and Dynamic Machine Perfusion: DCD versus Fatty Livers. International Journal of Molecular Sciences, 2018, 19, 109.	1.8	13
35	Enzyme-assisted photosensitization activates different apoptotic pathways in Rose Bengal acetate treated HeLa cells. Histochemistry and Cell Biology, 2009, 131, 391-399.	0.8	12
36	Comparative studies on the effects of doxorubicin and differentiation inducing agents on B16 melanoma cells. European Journal of Cancer, 1992, 28, 778-783.	1.3	11

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37	Fluorescing fatty acids in rat fatty liver models. Journal of Biophotonics, 2017, 10, 905-910.	1.1	11
38	In vivo autofluorescence spectrofluorometry of central serotonin. Journal of Neuroscience Methods, 2004, 140, 67-73.	1.3	10
39	Uptake and distribution of haematoporphyrin derivative in the unicellular eukaryote Paramecium. Journal of Photochemistry and Photobiology B: Biology, 1990, 6, 405-417.	1.7	9
40	MCD diet-induced steatohepatitis is associated with alterations in asymmetric dimethylarginine (ADMA) and its transporters. Molecular and Cellular Biochemistry, 2016, 419, 147-155.	1.4	9
41	Ozone Treatment of Grapes During Withering for Amarone Wine: A Multimodal Imaging and Spectroscopic Analysis. Microscopy and Microanalysis, 2018, 24, 564-573.	0.2	8
42	MCD Diet Rat Model Induces Alterations in Zinc and Iron during NAFLD Progression from Steatosis to Steatohepatitis. International Journal of Molecular Sciences, 2022, 23, 6817.	1.8	8
43	Regulated forms of cell death are induced by the photodynamic action of the fluorogenic substrate, Hypocrellin B-acetate. Journal of Photochemistry and Photobiology B: Biology, 2013, 125, 90-97.	1.7	7
44	Lipids: Evergreen autofluorescent biomarkers for the liver functional profiling. European Journal of Histochemistry, 2017, 61, 2808.	0.6	7
45	Spectrofluorometric Analysis of Autofluorescing Components of Crude Serum from a Rat Liver Model of Ischemia and Reperfusion. Molecules, 2020, 25, 1327.	1.7	7
46	Autofluorescent Biomolecules in Diptera: From Structure to Metabolism and Behavior. Molecules, 2022, 27, 4458.	1.7	5
47	<scp>NAD</scp>(P)H and Flavin Autofluorescence Correlation with <scp>ATP</scp> in Rat Livers with Different Metabolic Steadyâ€State Conditions. Photochemistry and Photobiology, 2017, 93, 1519-1524.	1.3	4
48	Serum and Hepatic Autofluorescence as a Real-Time Diagnostic Tool for Early Cholestasis Assessment. International Journal of Molecular Sciences, 2018, 19, 2634.	1.8	4
49	Photobiology and Endogenous Fluorophore Based Applications, from Natural Environment to Biomedicine to Improve Human Life. Molecules, 2020, 25, 5707.	1.7	4
50	Fluorescence excitation properties of bilirubin in solution and in serum. Journal of Photochemistry and Photobiology B: Biology, 2021, 215, 112121.	1.7	4
51	The Bright Side of the Tiger: Autofluorescence Patterns in Aedes albopictus (Diptera, Culicidae) Male and Female Mosquitoes. Molecules, 2022, 27, 713.	1.7	4
52	Autofluorescence properties of rat cerebellum cortex during postnatal development. Lasers in Surgery and Medicine, 2006, 38, 598-607.	1.1	3
53	<title>Autofluorescence properties of colonic mucosa: dependence on excitation wavelength</title>. , 1996, , .		1
54	Optical biopsy: a promising approach for realâ€time liver steatosis grading. Liver International, 2009, 29, 321-322.	1.9	1

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55	Increase in liver pigmentation during natural hibernation in some amphibians. American Journal of Anatomy, 1999, 195, 19-25.	0.9	1
56	Autofluorescence Spectroscopy and Imaging II: A Special Issue Aimed to Promote Optically Based Studies on Biological Substrates. Photochem, 2022, 2, 1-4.	1.3	1
57	Obeticholic Acid Reduces Kidney Matrix Metalloproteinase Activation Following Partial Hepatic Ischemia/Reperfusion Injury in Rats. Pharmaceuticals, 2022, 15, 524.	1.7	1
58	<title>Modulation of Photofrin II accumulation in C6 glioma cells by stimulation of beta-adrenergic receptors</title>. , 1997, , .		0