Michel Volovitch

List of Publications by Year
in descending order

19	1,145	687363 13	752698 20
papers	citations	h-index	g-index

23	23	23	1703
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sustained production of ROS triggers compensatory proliferation and is required for regeneration to proceed. Scientific Reports, 2013, 3, 2084.	3.3	256
2	How to control proteins with light in living systems. Nature Chemical Biology, 2014, 10, 533-541.	8.0	216
3	Small fluorescence-activating and absorption-shifting tag for tunable protein imaging in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 497-502.	7.1	186
4	Hydrogen peroxide (H2O2) controls axon pathfinding during zebrafish development. Developmental Biology, 2016, 414, 133-141.	2.0	77
5	Hydrogen Peroxide and Redox Regulation of Developments. Antioxidants, 2018, 7, 159.	5.1	59
6	Heritable expansion of the genetic code in mouse and zebrafish. Cell Research, 2017, 27, 294-297.	12.0	57
7	Nerves Control Redox Levels in Mature Tissues Through Schwann Cells and Hedgehog Signaling. Antioxidants and Redox Signaling, 2016, 24, 299-311.	5.4	48
8	Resonant out-of-phase fluorescence microscopy and remote imaging overcome spectral limitations. Nature Communications, 2017, 8, 969.	12.8	41
9	A Mouse Model for Conditional Secretion of Specific Single-Chain Antibodies Provides Genetic Evidence for Regulation of Cortical Plasticity by a Non-cell Autonomous Homeoprotein Transcription Factor. PLoS Genetics, 2016, 12, e1006035.	3.5	38
10	A Farâ€Red Emitting Fluorescent Chemogenetic Reporter for Inâ€…Vivo Molecular Imaging. Angewandte Chemie - International Edition, 2020, 59, 17917-17923.	13.8	29
11	Fluorogenic Probing of Membrane Protein Trafficking. Bioconjugate Chemistry, 2018, 29, 1823-1828.	3.6	24
12	Optical Control of Tumor Induction in the Zebrafish. Scientific Reports, 2017, 7, 9195.	3.3	22
13	Nerves, H2O2 and Shh: Three players in the game of regeneration. Seminars in Cell and Developmental Biology, 2018, 80, 65-73.	5.0	19
14	H2O2 and Engrailed 2 paracrine activity synergize to shape the zebrafish optic tectum. Communications Biology, 2020, 3, 536.	4.4	18
15	Control of brain patterning by Engrailed paracrine transfer: a new function of the Pbx interaction domain. Development (Cambridge), 2015, 142, 1840-1849.	2.5	15
16	Control of Protein Activity and Gene Expression by Cyclofenâ€OH Uncaging. ChemBioChem, 2018, 19, 1232-1238.	2.6	12
17	An early Shhâ€“H2O2 reciprocal regulatory interaction controls the regenerative program during zebrafish fin regeneration. Journal of Cell Science, 2022, 135, .	2.0	9
18	Versatile On-Demand Fluorescent Labeling of Fusion Proteins Using Fluorescence-Activating and Absorption-Shifting Tag (FAST). Methods in Molecular Biology, 2021, 2350, 253-265.	0.9	5

#	Article	IF	Citations
19	Reciprocal Regulation of Shh Trafficking and H2O2 Levels via a Noncanonical BOC-Rac1 Pathway. Antioxidants, 2022, 11, 718.	5.1	4