

# Willy Supatto

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39  
papers

2,583  
citations

22  
h-index

50  
g-index

62  
ext. papers

3,138  
ext. citations

10.9  
avg, IF

4.82  
L-index

#	Paper	IF	Citations
39	Dynamic spatiotemporal coordination of neural stem cell fate decisions occurs through local feedback in the adult vertebrate brain. <i>Cell Stem Cell</i> , <b>2021</b> , 28, 1457-1472.e12	18	10
38	Fast Imaging of SHG Nanoprobes with Multiphoton Light-Sheet Microscopy. <i>ACS Photonics</i> , <b>2020</b> , 7, 1036-1049	6.3	14
37	Fast multiphoton light-sheet microscopy with optimal pulse frequency. <i>Biomedical Optics Express</i> , <b>2020</b> , 11, 6012-6026	3.5	9
36	High-speed polarization-resolved third-harmonic microscopy. <i>Optica</i> , <b>2019</b> , 6, 385	8.6	11
35	Multicolor multiscale brain imaging with chromatic multiphoton serial microscopy. <i>Nature Communications</i> , <b>2019</b> , 10, 1662	17.4	49
34	Chiral Cilia Orientation in the Left-Right Organizer. <i>Cell Reports</i> , <b>2018</b> , 25, 2008-2016.e4	10.6	7
33	Dual-color deep-tissue three-photon microscopy with a multiband infrared laser. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 12	16.7	52
32	An Efficient Multicolor Two-Photon Imaging of Endogenous Fluorophores in Living Tissues by Wavelength Mixing. <i>Biophysical Journal</i> , <b>2017</b> , 112, 186a	2.9	2
31	Metrology of Multiphoton Microscopes Using Second Harmonic Generation Nanoprobes. <i>Small</i> , <b>2017</b> , 13, 1701442	11	8
30	Physical limits of flow sensing in the left-right organizer. <i>ELife</i> , <b>2017</b> , 6,	8.9	28
29	Multicolor two-photon imaging of endogenous fluorophores in living tissues by wavelength mixing. <i>Scientific Reports</i> , <b>2017</b> , 7, 3792	4.9	69
28	Efficient second-harmonic imaging of collagen in histological slides using Bessel beam excitation. <i>Scientific Reports</i> , <b>2016</b> , 6, 29863	4.9	20
27	Whole-brain functional imaging with two-photon light-sheet microscopy. <i>Nature Methods</i> , <b>2015</b> , 12, 379-386	20.6	90
26	Large-scale live imaging of adult neural stem cells in their endogenous niche. <i>Development (Cambridge)</i> , <b>2015</b> , 142, 3592-600	6.6	44
25	Large-scale live imaging of adult neural stem cells in their endogenous niche. <i>Journal of Cell Science</i> , <b>2015</b> , 128, e1.2-e1.2	5.3	
24	Advances in whole-embryo imaging: a quantitative transition is underway. <i>Nature Reviews Molecular Cell Biology</i> , <b>2014</b> , 15, 327-39	48.7	76
23	Multicolor two-photon light-sheet microscopy. <i>Nature Methods</i> , <b>2014</b> , 11, 600-1	21.6	87

22	Multiplex cell and lineage tracking with combinatorial labels. <i>Neuron</i> , <b>2014</b> , 81, 505-20	13.9	112
21	Mitigating phototoxicity during multiphoton microscopy of live <i>Drosophila</i> embryos in the 1.0-1.2 $\mu$ m wavelength range. <i>PLoS ONE</i> , <b>2014</b> , 9, e104250	3.7	42
20	Multicolor two-photon tissue imaging by wavelength mixing. <i>Nature Methods</i> , <b>2012</b> , 9, 815-8	21.6	122
19	From cilia hydrodynamics to zebrafish embryonic development. <i>Current Topics in Developmental Biology</i> , <b>2011</b> , 95, 33-66	5.3	17
18	Advances in multiphoton microscopy for imaging embryos. <i>Current Opinion in Genetics and Development</i> , <b>2011</b> , 21, 538-48	4.9	43
17	Deep and fast live imaging with two-photon scanned light-sheet microscopy. <i>Nature Methods</i> , <b>2011</b> , 8, 757-60	21.6	352
16	Toward high-content/high-throughput imaging and analysis of embryonic morphogenesis. <i>Genesis</i> , <b>2011</b> , 49, 555-69	1.9	22
15	Mesoderm migration in <i>Drosophila</i> is a multi-step process requiring FGF signaling and integrin activity. <i>Development (Cambridge)</i> , <b>2010</b> , 137, 2167-75	6.6	61
14	Quantitative imaging of collective cell migration during <i>Drosophila</i> gastrulation: multiphoton microscopy and computational analysis. <i>Nature Protocols</i> , <b>2009</b> , 4, 1397-412	18.8	52
13	An all-optical approach for probing microscopic flows in living embryos. <i>Biophysical Journal</i> , <b>2008</b> , 95, L29-31	2.9	50
12	Tissue deformation modulates twist expression to determine anterior midgut differentiation in <i>Drosophila</i> embryos. <i>Developmental Cell</i> , <b>2008</b> , 15, 470-477	10.2	250
11	Dynamic analyses of <i>Drosophila</i> gastrulation provide insights into collective cell migration. <i>Science</i> , <b>2008</b> , 322, 1546-50	33.3	127
10	Structure sensitivity and sources of contrast in third-harmonic generation (THG) microscopy of cells and tissues <b>2006</b> , 6089, 229		
9	Imaging lipid bodies in cells and tissues using third-harmonic generation microscopy. <i>Nature Methods</i> , <b>2006</b> , 3, 47-53	21.6	410
8	Structure sensitivity in third-harmonic generation microscopy. <i>Optics Letters</i> , <b>2005</b> , 30, 2134-6	3	52
7	In vivo analysis of <i>Drosophila</i> embryo developmental dynamics by femtosecond pulse-induced ablation and multimodal nonlinear microscopy <b>2005</b> , 5700, 256		
6	Femtosecond pulse-induced microprocessing of live <i>Drosophila</i> embryos. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , <b>2005</b> , 20, 207-216		14
5	In vivo modulation of morphogenetic movements in <i>Drosophila</i> embryos with femtosecond laser pulses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 1047-52	11.5	201

4	Is mechano-sensitive expression of twist involved In mesoderm formation?. <i>Biology of the Cell</i> , <b>2004</b> , 96, 471-7	3,5	22
3	Velocimetric third-harmonic generation microscopy: micrometer-scale quantification of morphogenetic movements in unstained embryos. <i>Optics Letters</i> , <b>2004</b> , 29, 2881-3	3	42
2	In vivo microdissection and live embryo imaging by two-photon microscopy to study <i>Drosophila melanogaster</i> early development <b>2004</b> , 5463, 13		1
1	Chiral cilia orientation in the left-right organizer		1