

# Giuseppe de Vito

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

682  
citations

623734

14  
h-index

580821

25  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound-responsive nutlin-loaded nanoparticles for combined chemotherapy and piezoelectric treatment of glioblastoma cells. <i>Acta Biomaterialia</i> , 2022, 139, 218-236.	8.3	37
2	Removing striping artifacts in light-sheet fluorescence microscopy: a review. <i>Progress in Biophysics and Molecular Biology</i> , 2022, 168, 52-65.	2.9	29
3	Fast whole-brain imaging of seizures in zebrafish larvae by two-photon light-sheet microscopy. <i>Biomedical Optics Express</i> , 2022, 13, 1516.	2.9	16
4	Combining Optogenetic Stimulation and Motor Training Improves Functional Recovery and Perilesional Cortical Activity. <i>Neurorehabilitation and Neural Repair</i> , 2022, 36, 107-118.	2.9	12
5	Power-effective scanning with AODs for 3D optogenetic applications. <i>Journal of Biophotonics</i> , 2022, 15, e202100256.	2.3	5
6	Multimodal Characterization of Seizures in Zebrafish Larvae. <i>Biomedicines</i> , 2022, 10, 951.	3.2	6
7	Reconstruction scheme for excitatory and inhibitory dynamics with quenched disorder: application to zebrafish imaging. <i>Journal of Computational Neuroscience</i> , 2021, 49, 159-174.	1.0	7
8	Direct activation of zebrafish neurons by ultrasonic stimulation revealed by whole CNS calcium imaging. <i>Journal of Neural Engineering</i> , 2020, 17, 056033.	3.5	2
9	Two-photon high-speed light-sheet volumetric imaging of brain activity during sleep in zebrafish larvae. , 2020, , .		4
10	Effects of excitation light polarization on fluorescence emission in two-photon light-sheet microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 4651.	2.9	16
11	Effects of fixatives on myelin molecular order probed with RP-CARS microscopy. <i>Applied Optics</i> , 2020, 59, 1756.	1.8	4
12	Mesoscale imaging of neuronal activity coupled with light-evoked motor mapping reveal movement-specific spatiotemporal patterns of cortical activation in awake mice. , 2020, , .		0
13	Two-photon light-sheet microscopy for high-speed whole-brain functional imaging of zebrafish neuronal physiology and pathology. , 2020, , .		4
14	Flexible Multi-Beam Light-Sheet Fluorescence Microscope for Live Imaging Without Striping Artifacts. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 7.	1.7	25
15	Piezoelectric barium titanate nanostimulators for the treatment of glioblastoma multiforme. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 449-461.	9.4	75
16	Dual-beam confocal light-sheet microscopy via flexible acousto-optic deflector. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	22
17	All-optical readout and stimulation of cortical activity during optogenetically-triggered motor task in awake mice (Conference Presentation). , 2019, , .		0
18	Full-optical stimulation and readout of neuronal activity during optogenetically-evoked movements in awake mice. , 2019, , .		0

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19	RP-CARS reveals molecular spatial order anomalies in myelin of an animal model of Krabbe disease. <i>Journal of Biophotonics</i> , 2017, 10, 385-393.	2.3	17
20	Effect of scattering on coherent anti-Stokes Raman scattering (CARS) signals. <i>Optics Express</i> , 2017, 25, 8638.	3.4	5
21	Immune response in peripheral axons delays disease progression in SOD1G93A mice. <i>Journal of Neuroinflammation</i> , 2016, 13, 261.	7.2	63
22	Age-related changes in the function and structure of the peripheral sensory pathway in mice. <i>Neurobiology of Aging</i> , 2016, 45, 136-148.	3.1	30
23	Femtosecond-Laser-Pulse Characterization and Optimization for CARS Microscopy. <i>PLoS ONE</i> , 2016, 11, e0156371.	2.5	6
24	A large-field polarisation-resolved laser scanning microscope: applications to CARS imaging. <i>Journal of Microscopy</i> , 2015, 260, 194-199.	1.8	9
25	Barium titanate nanoparticles and hypergravity stimulation improve differentiation of mesenchymal stem cells into osteoblasts. <i>International Journal of Nanomedicine</i> , 2015, 10, 433.	6.7	32
26	Two-Photon Lithography of 3D Nanocomposite Piezoelectric Scaffolds for Cell Stimulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25574-25579.	8.0	113
27	RP-CARS: label-free optical readout of the myelin intrinsic healthiness. <i>Optics Express</i> , 2014, 22, 13733.	3.4	24
28	Cytocompatibility evaluation of gum Arabic-coated ultra-pure boron nitride nanotubes on human cells. <i>Nanomedicine</i> , 2014, 9, 773-788.	3.3	61
29	Fast signal analysis in Rotating-Polarization CARS microscopy. <i>Optical Data Processing and Storage</i> , 2014, 1, .	3.3	2
30	Barium titanate core &ndash; gold shell nanoparticles for hyperthermia treatments. <i>International Journal of Nanomedicine</i> , 2013, 8, 2319.	6.7	24
31	Rotating-polarization CARS microscopy: combining chemical and molecular orientation sensitivity. <i>Optics Express</i> , 2012, 20, 29369.	3.4	32
32	The importance of the excitation light polarization state for the optimization of the signal levels in two-photon light-sheet microscopy. , 0, , .		0