

# Vicente J Parot

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

700  
citations

933447

10  
h-index

794594

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1019  
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltage imaging and optogenetics reveal behaviour-dependent changes in hippocampal dynamics. Nature, 2019, 569, 413-417.	27.8	255
2	All-Optical Electrophysiology Reveals the Role of Lateral Inhibition in Sensory Processing in Cortical Layer 1. Cell, 2020, 180, 521-535.e18.	28.9	124
3	Genetically Targeted All-Optical Electrophysiology with a Transgenic Cre-Dependent Optopatch Mouse. Journal of Neuroscience, 2016, 36, 11059-11073.	3.6	76
4	Photometric stereo endoscopy. Journal of Biomedical Optics, 2013, 18, 1.	2.6	36
5	Simulation of triple coincidences in PET. Physics in Medicine and Biology, 2015, 60, 117-136.	3.0	26
6	Recovery and normalization of triple coincidences in PET. Medical Physics, 2015, 42, 1398-1410.	3.0	26
7	Wide-Area All-Optical Neurophysiology in Acute Brain Slices. Journal of Neuroscience, 2019, 39, 4889-4908.	3.6	25
8	Application of the fractional Fourier transform to image reconstruction in MRI. Magnetic Resonance in Medicine, 2012, 68, 17-29.	3.0	20
9	Quantitative assessments of geometric errors for rapid prototyping in medical applications. Rapid Prototyping Journal, 2012, 18, 431-442.	3.2	19
10	3D imaging techniques for improved colonoscopy. Expert Review of Medical Devices, 2014, 11, 105-107.	2.8	13
11	Confocal 3D reflectance imaging through multimode fiber without wavefront shaping. Optica, 2022, 9, 112.	9.3	12
12	Compressed Hadamard microscopy for high-speed optically sectioned neuronal activity recordings. Journal Physics D: Applied Physics, 2019, 52, 144001.	2.8	11
13	The fractional Fourier transform and quadratic field magnetic resonance imaging. Computers and Mathematics With Applications, 2011, 62, 1576-1590.	2.7	8
14	Chemical species separation with simultaneous estimation of field map and $T_2$ using a $k$ -space formulation. Magnetic Resonance in Medicine, 2012, 68, 400-408.	3.0	8
15	Reciprocity-induced symmetry in the round-trip transmission through complex systems. APL Photonics, 2020, 5, .	5.7	8
16	Extended Kalman filter estimates the contour length of a protein in single molecule atomic force microscopy experiments. Review of Scientific Instruments, 2009, 80, 113104.	1.3	4
17	Microsecond Timescale Selective Access Two-photon Targeting for Functional Measurements in Tissue. , 2020, , .		3
18	System for clinical photometric stereo endoscopy. Proceedings of SPIE, 2014, , .	0.8	2

#	ARTICLE	IF	CITATIONS
19	Feature Space Optimization for Virtual Chromoendoscopy Augmented by Topography. Lecture Notes in Computer Science, 2014, 17, 642-649.	1.3	2
20	Kalman Filter Estimates of the Contour Length of an Unfolding Protein in Single-Molecule Force Spectroscopy Experiments. Biophysical Journal, 2009, 96, 36a.	0.5	1
21	Production of positron-gamma emitters for multiplexed PET (mPET) imaging. , 2013, , .		0
22	Simulation of triple coincidences in PET. , 2013, , .		0
23	Wide Area Profiling of Neuronal Function Using Hadamard Microscopy. , 2018, , .		0