

Giuseppe Antonacci

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/377212/publications.pdf>

Version: 2024-02-01

28
papers

1,234
citations

516710

16
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

1624
citing authors

#	ARTICLE	IF	CITATIONS
1	Brillouin microscopy: an emerging tool for mechanobiology. <i>Nature Methods</i> , 2019, 16, 969-977.	19.0	244
2	Deep Transcranial Magnetic Stimulation as a Treatment for Psychiatric Disorders: A Comprehensive Review. <i>European Psychiatry</i> , 2013, 28, 30-39.	0.2	139
3	Biomechanics of subcellular structures by non-invasive Brillouin microscopy. <i>Scientific Reports</i> , 2016, 6, 37217.	3.3	107
4	Recent progress and current opinions in Brillouin microscopy for life science applications. <i>Biophysical Reviews</i> , 2020, 12, 615-624.	3.2	84
5	Quantification of plaque stiffness by Brillouin microscopy in experimental thin cap fibroatheroma. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150843.	3.4	83
6	3D models in the new era of immune oncology: focus on T cells, CAF and ECM. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 117.	8.6	78
7	Spectral broadening in Brillouin imaging. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	74
8	Diffraction-free light droplets for axially-resolved volume imaging. <i>Scientific Reports</i> , 2017, 7, 17.	3.3	73
9	Mutant FUS and ELAVL4 (HuD) Aberrant Crosstalk in Amyotrophic Lateral Sclerosis. <i>Cell Reports</i> , 2019, 27, 3818-3831.e5.	6.4	51
10	Background-deflection Brillouin microscopy reveals altered biomechanics of intracellular stress granules by ALS protein FUS. <i>Communications Biology</i> , 2018, 1, 139.	4.4	45
11	Elastic suppression in Brillouin imaging by destructive interference. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	42
12	Cancellation of Bessel beam side lobes for high-contrast light sheet microscopy. <i>Scientific Reports</i> , 2018, 8, 17178.	3.3	35
13	Ultra-sensitive refractive index gas sensor with functionalized silicon nitride photonic circuits. <i>APL Photonics</i> , 2020, 5, 081301.	5.7	33
14	Digistain: a digital staining instrument for histopathology. <i>Optics Express</i> , 2012, 20, 7290.	3.4	30
15	Dark-field Brillouin microscopy. <i>Optics Letters</i> , 2017, 42, 1432.	3.3	24
16	Breaking the Contrast Limit in Single-Pass Fabry-Pérot Spectrometers. <i>Physical Review Applied</i> , 2016, 6, .	3.8	20
17	Quantifying cellular forces and biomechanical properties by correlative micropillar traction force and Brillouin microscopy. <i>Biomedical Optics Express</i> , 2019, 10, 2202.	2.9	16
18	Demonstration of self-healing and scattering resilience of acoustic Bessel beams. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	12

#	ARTICLE	IF	CITATIONS
19	Scattering Assisted Imaging. Scientific Reports, 2019, 9, 4591.	3.3	9
20	Miniaturized photogenerated electro-optic axicon lens Gaussian-to-Bessel beam conversion. Applied Optics, 2017, 56, 2908.	2.1	8
21	On-Chip Notch Filter on a Silicon Nitride Ring Resonator for Brillouin Spectroscopy. ACS Photonics, 2022, 9, 772-777.	6.6	8
22	Mechanical Durotactic Environment Enhances Specific Glioblastoma Cell Responses. Cancers, 2019, 11, 643.	3.7	7
23	Large-scale individual monitoring of internal contamination by gamma-emitting radionuclides in nuclear accident scenarios. Journal of Radiological Protection, 2020, 40, 134-150.	1.1	5
24	Large-scale individual thyroid monitoring following nuclear accidents by means of non-spectrometric devices. Journal of Radiological Protection, 2018, 38, 1454-1468.	1.1	3
25	In vivo public monitoring in emergency exposure scenarios. European Physical Journal Plus, 2021, 136, 1.	2.6	2
26	Quantification of plaque stiffness by Brillouin microscopy (Conference Presentation). , 2016, , .		0
27	High-resolution microscopy and spectroscopy datasets meet Data in Brief. Data in Brief, 2020, 30, 105596.	1.0	0
28	A 1000-fold contrast enhancement in Fabry-Pérot interferometers. , 2017, , .		0