

# Giuseppe Antonacci

## List of Publications by Year in descending order

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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	On-Chip Notch Filter on a Silicon Nitride Ring Resonator for Brillouin Spectroscopy. ACS Photonics, 2022, 9, 772-777.	6.6	8
2	In vivo public monitoring in emergency exposure scenarios. European Physical Journal Plus, 2021, 136, 1.	2.6	2
3	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
4	Ultra-sensitive refractive index gas sensor with functionalized silicon nitride photonic circuits. APL Photonics, 2020, 5, 081301.	5.7	33
5	Recent progress and current opinions in Brillouin microscopy for life science applications. Biophysical Reviews, 2020, 12, 615-624.	3.2	84
6	High-resolution microscopy and spectroscopy datasets meet Data in Brief. Data in Brief, 2020, 30, 105596.	1.0	0
7	Brillouin microscopy: an emerging tool for mechanobiology. Nature Methods, 2019, 16, 969-977.	19.0	244
8	Mutant FUS and ELAVL4 (HuD) Aberrant Crosstalk in Amyotrophic Lateral Sclerosis. Cell Reports, 2019, 27, 3818-3831.e5.	6.4	51
9	Mechanical Durotactic Environment Enhances Specific Glioblastoma Cell Responses. Cancers, 2019, 11, 643.	3.7	7
10	3D models in the new era of immune oncology: focus on T cells, CAF and ECM. Journal of Experimental and Clinical Cancer Research, 2019, 38, 117.	8.6	78
11	Scattering Assisted Imaging. Scientific Reports, 2019, 9, 4591.	3.3	9
12	Demonstration of self-healing and scattering resilience of acoustic Bessel beams. Applied Physics Letters, 2019, 114, .	3.3	12
13	Quantifying cellular forces and biomechanical properties by correlative micropillar traction force and Brillouin microscopy. Biomedical Optics Express, 2019, 10, 2202.	2.9	16
14	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
15	Cancellation of Bessel beam side lobes for high-contrast light sheet microscopy. Scientific Reports, 2018, 8, 17178.	3.3	35
16	Background-deflection Brillouin microscopy reveals altered biomechanics of intracellular stress granules by ALS protein FUS. Communications Biology, 2018, 1, 139.	4.4	45
17	Diffraction-free light droplets for axially-resolved volume imaging. Scientific Reports, 2017, 7, 17.	3.3	73
18	Dark-field Brillouin microscopy. Optics Letters, 2017, 42, 1432.	3.3	24

#	ARTICLE	IF	CITATIONS
19	Miniaturized photogenerated electro-optic axicon lens Gaussian-to-Bessel beam conversion. Applied Optics, 2017, 56, 2908.	2.1	8
20	A 1000-fold contrast enhancement in Fabry-Pérot interferometers. , 2017, , .		0
21	Quantification of plaque stiffness by Brillouin microscopy (Conference Presentation). , 2016, , .		0
22	Breaking the Contrast Limit in Single-Pass Fabry-Pérot Spectrometers. Physical Review Applied, 2016, 6, .	3.8	20
23	Biomechanics of subcellular structures by non-invasive Brillouin microscopy. Scientific Reports, 2016, 6, 37217.	3.3	107
24	Quantification of plaque stiffness by Brillouin microscopy in experimental thin cap fibroatheroma. Journal of the Royal Society Interface, 2015, 12, 20150843.	3.4	83
25	Elastic suppression in Brillouin imaging by destructive interference. Applied Physics Letters, 2015, 107, .	3.3	42
26	Deep Transcranial Magnetic Stimulation as a Treatment for Psychiatric Disorders: A Comprehensive Review. European Psychiatry, 2013, 28, 30-39.	0.2	139
27	Spectral broadening in Brillouin imaging. Applied Physics Letters, 2013, 103, .	3.3	74
28	Digistain: a digital staining instrument for histopathology. Optics Express, 2012, 20, 7290.	3.4	30