

# Gianluca Memoli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8415598/publications.pdf>

Version: 2024-02-01

47  
papers

887  
citations

687363

13  
h-index

552781

26  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1012  
citing authors

#	ARTICLE	IF	CITATIONS
1	A transfer matrix method for calculating the transmission and reflection coefficient of labyrinthine metamaterials. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 1022-1032.	1.1	2
2	Sound localization in web-based 3D environments. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
3	Acoustic wave focusing by 2.5D graded index lens. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	4
4	LeviSense: A platform for the multisensory integration in levitating food and insights into its effect on flavour perception. <i>International Journal of Human Computer Studies</i> , 2020, 139, 102428.	5.6	18
5	Acoustic levitation with optimized reflective metamaterials. <i>Scientific Reports</i> , 2020, 10, 4254.	3.3	37
6	Spatial Soundscapes and Virtual Worlds: Challenges and Opportunities. <i>Frontiers in Psychology</i> , 2020, 11, 569056.	2.1	14
7	From light to sound. , 2019, , .		4
8	SonicSpray: A Technique to Reconfigure Permeable Mid-Air Displays. , 2019, , .		12
9	Experimental investigation of the particle oscillation instability in a single-axis acoustic levitator. <i>AIP Advances</i> , 2019, 9, .	1.3	30
10	VARI-SOUND. , 2019, , .		11
11	AUDIOZOOM: Location Based Sound Delivery system. , 2019, , .		4
12	Composing spatial soundscapes using acoustic metasurfaces. , 2019, , .		6
13	Soundscape Assessment of Aircraft Height and Size. <i>Frontiers in Psychology</i> , 2018, 9, 2492.	2.1	4
14	SoundBender. , 2018, , .		28
15	Acoustofluidic Measurements on Polymer-Coated Microbubbles: Primary and Secondary Bjerknes Forces. <i>Micromachines</i> , 2018, 9, 404.	2.9	7
16	Metamaterial bricks and quantization of meta-surfaces. <i>Nature Communications</i> , 2017, 8, 14608.	12.8	182
17	Acoustic force measurements on polymer-coated microbubbles in a microfluidic device. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 3364-3378.	1.1	9
18	Programmable Liquid Matter. , 2017, , .		23

#	ARTICLE	IF	CITATIONS
19	TastyFloats. , 2017, , .		71
20	Haptics and Directional Audio Using Acoustic Metasurfaces. , 2017, , .		7
21	Programmable Liquid Matter. , 2017, , .		4
22	Analysis of the Uncertainty in Microbubble Characterization. Ultrasound in Medicine and Biology, 2016, 42, 1412-1418.	1.5	5
23	Dynamic behaviour of laser nucleated bubbles in a focused ultrasound field. , 2015, , .		0
24	Kavitationsdetektion mittels Self-Sensing-Ultraschallwandler. TM Technisches Messen, 2015, 82, 73-84.	0.7	2
25	Towards a reference cavitating vessel Part III" design and acoustic pressure characterization of a multi-frequency sonoreactor. Metrologia, 2015, 52, 575-594.	1.2	6
26	Experimental characterisation of holographic optical traps for microbubbles. , 2014, , .		3
27	Multiscale manipulation of microbubbles employing simultaneous optical and acoustical trapping. Proceedings of SPIE, 2014, , .	0.8	3
28	Self-sensing ultrasound transducer for cavitation detection. , 2014, , .		2
29	Towards the acoustical characterisation of an Intensive Care Unit. Applied Acoustics, 2014, 79, 124-130.	3.3	8
30	Laser vibrometry characterisation of a microfluidic lab-on-a-chip device: a preliminary investigation. Journal of Physics: Conference Series, 2014, 498, 012002.	0.4	1
31	Influence of Acoustic Cavitation on the Controlled Ultrasonic Dispersion of Carbon Nanotubes. Journal of Physical Chemistry B, 2013, 117, 15141-15150.	2.6	60
32	Theoretical characterisation of the radial and translational motion of coated microbubbles under acoustic excitation. Journal of Physics: Conference Series, 2013, 457, 012001.	0.4	2
33	Investigating the sensitivity of microbubble acoustic response for biosensing applications. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
34	Trapping and deformation of microbubbles in a dual-beam fibre-optic trap. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	16
35	Optical squeezing of microbubbles: ray optics and Mie scattering calculations. , 2012, , .		1
36	Three-Dimensional Printing (3DP) of neonatal head phantom for ultrasound: Thermocouple embedding and simulation of bone. Medical Engineering and Physics, 2012, 34, 929-937.	1.7	20

#	ARTICLE	IF	CITATIONS
37	Characterisation of a multi-frequency cavitation vessel. IOP Conference Series: Materials Science and Engineering, 2012, 42, 012013.	0.6	3
38	Characterisation and improvement of a reference cylindrical sonoreactor. Ultrasonics Sonochemistry, 2012, 19, 939-952.	8.2	20
39	From noise to annoyance mapping. , 2012, , 371-392.		2
40	Building and assessing anatomically relevant phantoms for neonatal transcranial ultrasound. Journal of Physics: Conference Series, 2011, 279, 012007.	0.4	1
41	Neonatal Transcranial Ultrasound: An Evaluation of Thermal Hazard for Clinical Equipment. Ultrasound in Medicine and Biology, 2011, 37, S71.	1.5	0
42	The importance of temperature control in the operation of high power ultrasound reactors. , 2009, , .		1
43	Design of a laboratory for experiments with a pulsed neutron source. Journal of Radiological Protection, 2009, 29, 183-200.	1.1	0
44	Testing the acoustical corrections for reflections on a façade. Applied Acoustics, 2008, 69, 479-495.	3.3	30
45	Measurements of rising velocity of a small bubble in a stagnant fluid in one- and two-component systems. Experimental Thermal and Fluid Science, 2007, 31, 609-623.	2.7	70
46	Experimental study on rising velocity of nitrogen bubbles in FC-72. International Journal of Thermal Sciences, 2003, 42, 435-446.	4.9	44
47	Influence of electric field on single gas-bubble growth and detachment in microgravity. International Journal of Multiphase Flow, 2003, 29, 559-578.	3.4	81