

# Antonio Miguel Caravaca-Aguirre

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8535103/publications.pdf>

Version: 2024-02-01

31  
papers

1,441  
citations

759233

12  
h-index

940533

16  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1135  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-speed scattering medium characterization with application to focusing light through turbid media. Optics Express, 2012, 20, 1733.	3.4	362
2	Genetic algorithm optimization for focusing through turbid media in noisy environments. Optics Express, 2012, 20, 4840.	3.4	317
3	Real-time resilient focusing through a bending multimode fiber. Optics Express, 2013, 21, 12881.	3.4	162
4	Minimally invasive multimode optical fiber microendoscope for deep brain fluorescence imaging. Biomedical Optics Express, 2018, 9, 1492.	2.9	132
5	Adaptive wavefront shaping for controlling nonlinear multimode interactions in optical fibres. Nature Photonics, 2018, 12, 368-374.	31.4	117
6	Single multimode fiber endoscope. Optics Express, 2017, 25, 1656.	3.4	102
7	Super-resolution photoacoustic imaging through a scattering wall. Nature Communications, 2015, 6, 7902.	12.8	65
8	High contrast three-dimensional photoacoustic imaging through scattering media by localized optical fluence enhancement. Optics Express, 2013, 21, 26671.	3.4	53
9	Hybrid photoacoustic-fluorescence microendoscopy through a multimode fiber using speckle illumination. APL Photonics, 2019, 4, .	5.7	35
10	Laser speckle contrast imaging with extended depth of field for in-vivo tissue imaging. Biomedical Optics Express, 2014, 5, 123.	2.9	24
11	Single-shot hybrid photoacoustic-fluorescent microendoscopy through a multimode fiber with wavefront shaping. Biomedical Optics Express, 2020, 11, 5717.	2.9	24
12	Microparticle movements in optical funnels and pods. Optics Express, 2011, 19, 5232.	3.4	22
13	Thermal expansion feedback for wave-front shaping. Optics Express, 2017, 25, 6122.	3.4	5
14	Optical memory effect in square multimode fibers. Optics Letters, 2021, 46, 4924.	3.3	4
15	High-speed phase-control of wavefronts with binary amplitude DMD for light control through dynamic turbid media. , 2013, , .		3
16	Speckle based optical-resolution photoacoustic endoscopy (Conference Presentation). , 2018, , .		2
17	Adaptive Wave-front shaping in Linear and Nonlinear Complex Media. , 2018, , .		2
18	High-speed phase modulation using the DLP: application in imaging through complex media. Proceedings of SPIE, 2015, , .	0.8	1

#	ARTICLE	IF	CITATIONS
19	Focusing Through a Multimode Fiber with Selective Mode Control. , 2017, , .		1
20	High-speed focusing of light through dynamic turbid media. , 2012, , .		0
21	Real time focusing through a perturbed multimode fiber. , 2013, , .		0
22	High-Speed Optical Phase-Control for Focusing and Imaging through Dynamic Turbid Media. , 2013, , .		0
23	Robustness of multimode fiber focusing through wavefront shaping. , 2014, , .		0
24	High-Speed Phase Modulation for Multimode Fiber Endoscope. , 2014, , .		0
25	Wavefront shaping for single fiber fluorescence endoscopy. , 2016, , .		0
26	Three-dimensional photoacoustic imaging through scattering media. , 2014, , .		0
27	Single fiber endoscopy for deep brain imaging. , 2017, , .		0
28	Speckle Statistics for Single Fiber Endoscopy. , 2017, , .		0
29	Wave-front shaping for nonlinear light propagation in multimode fibers. , 2017, , .		0
30	Optical resolution photoacoustic microscopy and fluorescence imaging with a multimode fiber. , 2019, , .		0
31	Multimodal endo-microscopy using multimode fibers. , 2020, , .		0