

# Ruben Ramos-Garcia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3694343/publications.pdf>

Version: 2024-02-01

18  
papers

293  
citations

1040056

9  
h-index

1058476

14  
g-index

18  
all docs

18  
docs citations

18  
times ranked

203  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optic cavitation with CW lasers: A review. <i>Physics of Fluids</i> , 2014, 26, .	4.0	79
2	Time-resolved analysis of cavitation induced by CW lasers in absorbing liquids. <i>Optics Express</i> , 2010, 18, 8735.	3.4	57
3	Toward jet injection by continuous-wave laser cavitation. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	28
4	Optothermal generation, trapping, and manipulation of microbubbles. <i>Optics Express</i> , 2020, 28, 17672.	3.4	21
5	Continuous-wave laser generated jets for needle free applications. <i>Biomicrofluidics</i> , 2016, 10, 014104.	2.4	20
6	Micro-hole drilling in thin films with cw low power lasers. <i>Optical Materials Express</i> , 2011, 1, 598.	3.0	16
7	Controllable direction of liquid jets generated by thermocavitation within a droplet. <i>Applied Optics</i> , 2017, 56, 7167.	1.8	14
8	Steady-State 3D Trapping and Manipulation of Microbubbles Using Thermocapillary. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	10
9	Ultrasound induced by CW laser cavitation bubbles. <i>Journal of Physics: Conference Series</i> , 2011, 278, 012029.	0.4	9
10	Temporal evolution of thermocavitation bubbles using high speed video camera. <i>Proceedings of SPIE</i> , 2011, , .	0.8	9
11	BREAKING THE RAYLEIGH-PLATEAU INSTABILITY LIMIT USING THERMOCAVITATION WITHIN A DROPLET. <i>Atomization and Sprays</i> , 2013, 23, 487-503.	0.8	9
12	Theoretical and experimental study of acoustic waves generated by thermocavitation and its application in the generation of liquid jets. <i>Optics Express</i> , 2020, 28, 4928.	3.4	7
13	Single-Pixel Near-Infrared 3D Image Reconstruction in Outdoor Conditions. <i>Micromachines</i> , 2022, 13, 795.	2.9	6
14	Hardware parallel architecture proposed to accelerate the orthogonal matching pursuit compressive sensing reconstruction. , 2020, , .		4
15	Thermocavitation: a mechanism to pulse fiber lasers. <i>Optics Express</i> , 2021, 29, 23439.	3.4	2
16	Towards a 3D Vision System based on Single-Pixel imaging and indirect Time-of-Flight for drone applications. , 2020, , .		2
17	Behind optothermal trapping of photothermally-induced microbubbles. , 2021, , .		0
18	10.1063/1.4904718.1. , 2014, , .		0