

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