

# Yong Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,555  
citations

331670

21  
h-index

302126

39  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1230  
citing authors

| #  | ARTICLE                                                                                                                                                  | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Packaged optofluidic microbottle resonator for high-sensitivity bidirectional magnetic field sensing. Optics Letters, 2022, 47, 2766.                    | 3.3 | 6         |
| 2  | High-Sensitivity Flow Rate Sensor Enabled by Higher Order Modes of Packaged Microbottle Resonator. IEEE Photonics Technology Letters, 2021, 33, 599-602. | 2.5 | 12        |
| 3  | Hollow-glass-microsphere-assisted half-circle interference for hydrostatic pressure measurement with high sensitivity. Optics Express, 2021, 29, 21252.  | 3.4 | 5         |
| 4  | Magnetic Fluid Infiltrated Microbottle Resonator Sensor With Axial Confined Mode. IEEE Photonics Journal, 2020, 12, 1-9.                                 | 2.0 | 14        |
| 5  | Comparative Study on Transmission Mechanisms in a SMF-Capillary-SMF Structure. Journal of Lightwave Technology, 2020, , 1-1.                             | 4.6 | 15        |
| 6  | All-Pass and Add-Drop Microsphere Resonator in a Suspended Dual-Core Hollow Fiber. IEEE Photonics Technology Letters, 2020, 32, 603-606.                 | 2.5 | 5         |
| 7  | In-fiber zigzag excitation for whispering-gallery modes via evanescent wave and free space coupling. Optics Express, 2020, 28, 31386.                    | 3.4 | 5         |
| 8  | Cavity Ring-Up Spectroscopy for Dissipative and Dispersive Sensing in a Whispering Gallery Mode Resonator. , 2018, , 629-646.                            |     | 1         |
| 9  | Nanoparticle sensing beyond evanescent field interaction with a quasi-droplet microcavity. Optica, 2018, 5, 674.                                         | 9.3 | 67        |
| 10 | Towards Visible Frequency Comb Generation Using a Hollow WGM Resonator. The Review of Laser Engineering, 2018, 46, 92.                                   | 0.0 | 3         |
| 11 | Hollow whispering gallery resonators. , 2018, , .                                                                                                        |     | 0         |
| 12 | Nanoparticle trapping and control in a hollow whispering gallery resonator. Proceedings of SPIE, 2017, , .                                               | 0.8 | 0         |
| 13 | Refractometry With a Tailored Sensitivity Based on a Single-Mode-Capillary-Single-Mode Fiber Structure. IEEE Photonics Journal, 2017, 9, 1-8.            | 2.0 | 14        |
| 14 | Whispering gallery resonators for optical sensing. Proceedings of SPIE, 2017, , .                                                                        | 0.8 | 1         |
| 15 | Observation of Fano resonances in a reflective fiber coupled microcavity. , 2017, , .                                                                    |     | 1         |
| 16 | Tunable erbium-doped microbubble laser fabricated by sol-gel coating. Optics Express, 2017, 25, 1308.                                                    | 3.4 | 40        |
| 17 | All-optical nanopositioning of high-Q silica microspheres. Optics Express, 2017, 25, 13101.                                                              | 3.4 | 8         |
| 18 | Bandpass transmission spectra of a whispering-gallery microcavity coupled to an ultrathin fiber. Photonics Research, 2017, 5, 362.                       | 7.0 | 10        |

| #  | ARTICLE                                                                                                                                                         | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Cavity ring-up spectroscopy for sensing in a whispering gallery mode resonator. , 2017, , .                                                                     |     | 0         |
| 20 | Four-wave mixing parametric oscillation and frequency comb generation at visible wavelengths in a silica microbubble resonator. Optics Letters, 2016, 41, 5266. | 3.3 | 59        |
| 21 | Glass-on-Glass Fabrication of Bottle-Shaped Tunable Microlasers and their Applications. Scientific Reports, 2016, 6, 25152.                                     | 3.3 | 50        |
| 22 | Packaged Optical Add-Drop Filter Based on an Optical Microfiber Coupler and a Microsphere. IEEE Photonics Technology Letters, 2016, 28, 2277-2280.              | 2.5 | 29        |
| 23 | Cavity ring-up spectroscopy for dissipative and dispersive sensing in a whispering gallery mode resonator. Applied Physics B: Lasers and Optics, 2016, 122, 1.  | 2.2 | 15        |
| 24 | High-Q, ultrathin-walled microbubble resonator for aerostatic pressure sensing. Optics Express, 2016, 24, 294.                                                  | 3.4 | 80        |
| 25 | Degenerate four-wave mixing in a silica hollow bottle-like microresonator. Optics Letters, 2016, 41, 575.                                                       | 3.3 | 38        |
| 26 | Linear Laser Tuning Using a Pressure-Sensitive Microbubble Resonator. IEEE Photonics Technology Letters, 2016, 28, 1134-1137.                                   | 2.5 | 41        |
| 27 | Development of packaged silica microspheres coupled with tapered optical microfibres. Proceedings of SPIE, 2016, , .                                            | 0.8 | 1         |
| 28 | Flow sensor using a hollow whispering gallery mode microlaser. , 2016, , .                                                                                      |     | 3         |
| 29 | Frequency Comb Generation at Near Visible Wavelengths in a Microbubble Resonator. , 2016, , .                                                                   |     | 0         |
| 30 | Optomechanical transduction and characterization of a silica microsphere pendulum via evanescent light. Applied Physics Letters, 2015, 106, .                   | 3.3 | 25        |
| 31 | Raman lasing in a hollow, bottle-like microresonator. Applied Physics Express, 2015, 8, 092001.                                                                 | 2.4 | 26        |
| 32 | PDMS quasi-droplet microbubble resonator. , 2015, , .                                                                                                           |     | 2         |
| 33 | Asymmetric response function of the transduction spectrum for a microsphere pendulum. Proceedings of SPIE, 2015, , .                                            | 0.8 | 0         |
| 34 | Lead-silicate glass optical microbubble resonator. Applied Physics Letters, 2015, 106, .                                                                        | 3.3 | 15        |
| 35 | Coupled-mode-induced transparency in aerostatically tuned microbubble whispering-gallery resonators. Optics Letters, 2015, 40, 1834.                            | 3.3 | 61        |
| 36 | Improved sensitivity for pressure sensing in microbubble resonators. , 2015, , .                                                                                |     | 1         |

| #  | ARTICLE                                                                                                                                                                            | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Quasi-droplet microbubbles for high resolution sensing applications. Optics Express, 2014, 22, 6881.                                                                               | 3.4 | 91        |
| 38 | Liquid core microbubble resonators for highly sensitive temperature sensing. Proceedings of SPIE, 2014, , .                                                                        | 0.8 | 1         |
| 39 | Optimization of whispering gallery modes in microbubble resonators for sensing applications. , 2014, , .                                                                           |     | 5         |
| 40 | High-Q and Unidirectional Emission Whispering Gallery Modes: Principles and Design. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1-6.                         | 2.9 | 11        |
| 41 | Highly Sensitive Temperature Measurements With Liquid-Core Microbubble Resonators. IEEE Photonics Technology Letters, 2013, 25, 2350-2353.                                         | 2.5 | 76        |
| 42 | Thermal-optical properties of microbubbles for sensing applications. , 2013, , .                                                                                                   |     | 0         |
| 43 | Optical WGMs THz tuning and mechanical modes in a PDMS double-stem resonator. , 2013, , .                                                                                          |     | 1         |
| 44 | Sensing and optomechanics using whispering gallery microbubble resonators. , 2013, , .                                                                                             |     | 2         |
| 45 | Terahertz tuning of whispering gallery modes in a PDMS stand-alone, stretchable microsphere. Optics Letters, 2012, 37, 4762.                                                       | 3.3 | 43        |
| 46 | Storing Optical Information as a Mechanical Excitation in a Silica Optomechanical Resonator. Physical Review Letters, 2011, 107, 133601.                                           | 7.8 | 301       |
| 47 | Observation of microlaser with Er-doped phosphate glass coated microsphere pumped by 780nm. Optics Communications, 2010, 283, 5117-5120.                                           | 2.1 | 30        |
| 48 | A scheme of quantum repeaters with single atom and cavity-QED. Optics Communications, 2010, 283, 617-621.                                                                          | 2.1 | 2         |
| 49 | Anti-bunching from plasmon induced non-blinking single CdSe/ZnS quantum dot. , 2010, , .                                                                                           |     | 0         |
| 50 | Anti-bunching and luminescence blinking suppression from plasmon-interacted single CdSe/ZnS quantum dot. Optics Express, 2010, 18, 6340.                                           | 3.4 | 24        |
| 51 | Quantum repeaters free of polarization disturbance and phase noise. Physical Review A, 2009, 79, .                                                                                 | 2.5 | 12        |
| 52 | Modal coupling strength in a fibre taper coupled silica microsphere. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 085401.                                | 1.5 | 9         |
| 53 | Accurately calculating high quality factor of whispering-gallery modes with boundary element method. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 2050. | 2.1 | 18        |
| 54 | Ringling phenomenon in silica microspheres. Chinese Optics Letters, 2009, 7, 299-301.                                                                                              | 2.9 | 32        |

| #  | ARTICLE                                                                                                                                                     | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Accurately calculating high Q factor of whispering-gallery modes with boundary element method. , 2009, , .                                                  |     | 0         |
| 56 | Directly mapping whispering gallery modes in a microsphere through modal coupling and directional emission. Chinese Optics Letters, 2008, 6, 300-302.       | 2.9 | 14        |
| 57 | Taper-microsphere coupling with numerical calculation of coupled-mode theory. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1895. | 2.1 | 39        |
| 58 | Quantum phase gate through a dispersive atom-field interaction. Physical Review A, 2007, 75, .                                                              | 2.5 | 48        |
| 59 | Fiber-taper-coupled zeolite cylindrical microcavity with hexagonal cross section. Applied Optics, 2007, 46, 7590.                                           | 2.1 | 4         |
| 60 | Realizing quantum controlled phase flip through cavity QED. Physical Review A, 2004, 70, .                                                                  | 2.5 | 122       |
| 61 | Quantum CPF gates between rare earth ions through measurement. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 137-141.     | 2.1 | 17        |