

# Wenjie Wan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7057862/publications.pdf>

Version: 2024-02-01

61  
papers

1,796  
citations

471477

17  
h-index

265191

42  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1784  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-Reversed Lasing and Interferometric Control of Absorption. <i>Science</i> , 2011, 331, 889-892.	12.6	673
2	Dispersive superfluid-like shock waves in nonlinear optics. <i>Nature Physics</i> , 2007, 3, 46-51.	16.7	305
3	Imaging through nonlinear media using digital holography. <i>Nature Photonics</i> , 2009, 3, 211-215.	31.4	103
4	Synthetic Anti-PT Symmetry in a Single Microcavity. <i>Physical Review Letters</i> , 2020, 124, 053901.	7.8	98
5	Dispersive shock waves with nonlocal nonlinearity. <i>Optics Letters</i> , 2007, 32, 2930.	3.3	66
6	Multiple MoS <sub>2</sub> Transistors for Sensing Molecule Interaction Kinetics. <i>Scientific Reports</i> , 2015, 5, 10546.	3.3	64
7	Optically induced transparency in a micro-cavity. <i>Light: Science and Applications</i> , 2016, 5, e16072-e16072.	16.6	58
8	Dispersive Shock Waves in Nonlinear Arrays. <i>Physical Review Letters</i> , 2007, 99, 223901.	7.8	57
9	Cyclewise Operation of Printed MoS <sub>2</sub> Transistor Biosensors for Rapid Biomolecule Quantification at Femtomolar Levels. <i>ACS Sensors</i> , 2017, 2, 274-281.	7.8	40
10	Diffraction from an edge in a self-focusing medium. <i>Optics Letters</i> , 2010, 35, 2819.	3.3	30
11	Generation of Optical Frequency Comb via Giant Optomechanical Oscillation. <i>Physical Review Letters</i> , 2021, 127, 134301.	7.8	29
12	Wave Tunneling and Hysteresis in Nonlinear Junctions. <i>Physical Review Letters</i> , 2010, 104, 073903.	7.8	26
13	Morphology-induced plasmonic resonances in silver-aluminum alloy thin films. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	22
14	Grating coupled SPR sensors using off the shelf compact discs and sensitivity dependence on grating period. <i>Sensors and Actuators Reports</i> , 2020, 2, 100016.	4.4	21
15	Forward four-wave mixing with defocusing nonlinearity. <i>Optics Letters</i> , 2007, 32, 1668.	3.3	19
16	Fast- and slow-light-enhanced light drag in a moving microcavity. <i>Communications Physics</i> , 2020, 3, .	5.3	19
17	Multiphysical sensing of light, sound and microwave in a microcavity Brillouin laser. <i>Nanophotonics</i> , 2020, 9, 2915-2925.	6.0	19
18	Time-reversed wave mixing in nonlinear optics. <i>Scientific Reports</i> , 2013, 3, 3245.	3.3	15

#	ARTICLE	IF	CITATIONS
19	Terahertz wave generation by plasmonic-enhanced difference-frequency generation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1533.	2.1	12
20	Controllable coupling between an ultra-high-Q microtoroid cavity and a graphene monolayer for optical filtering and switching applications. <i>Optics Express</i> , 2020, 28, 7906.	3.4	12
21	Metal-Free Flat Lens Using Negative Refraction by Nonlinear Four-Wave Mixing. <i>Physical Review Letters</i> , 2014, 113, 217401.	7.8	11
22	All-optical tunable plasmonic nano-aggregations for surface-enhanced Raman scattering. <i>Nanoscale</i> , 2019, 11, 13558-13566.	5.6	11
23	Passive fine-tuning of microcavity whispering gallery mode for nonlinear optics by thermo-optical effect. <i>Applied Physics Letters</i> , 2019, 114, 101103.	3.3	10
24	Phonon-induced anomalous gauge potential for photonic isolation in frequency space. <i>Optica</i> , 2021, 8, 1448.	9.3	10
25	Resolution-enhanced imaging through scattering media by high-order correlation. <i>Applied Optics</i> , 2019, 58, 2350.	1.8	8
26	Dielectric Optical-Controllable Magnifying Lens by Nonlinear Negative Refraction. <i>Scientific Reports</i> , 2015, 5, 11892.	3.3	7
27	Far-field super-resolution imaging by nonlinearly excited evanescent waves. <i>Advanced Photonics</i> , 2021, 3, .	11.8	7
28	Nonlinear negative refraction by difference frequency generation. <i>Applied Physics Letters</i> , 2016, 108, 191101.	3.3	5
29	Femtosecond OPO based on MgO:PPLN synchronously pumped by a 532-nm fiber laser. <i>Laser Physics</i> , 2017, 27, 055402.	1.2	5
30	Imaging through dynamical scattering media by two-photon absorption detectors. <i>Optics Express</i> , 2021, 29, 29972.	3.4	5
31	Subwavelength imaging by a nonlinear negative refraction lens through four wave mixing. <i>Optics Express</i> , 2017, 25, 24272.	3.4	4
32	Observation of gain spiking of optical frequency comb in a microcavity. <i>Optics Express</i> , 2017, 25, 31140.	3.4	4
33	Resolution enhanced photothermal imaging by high-order correlation. <i>Optics Letters</i> , 2020, 45, 5696.	3.3	4
34	Vibrational modes in an optically levitated droplet. <i>Optics Letters</i> , 2021, 46, 4602.	3.3	3
35	Coherent control of acoustic phonons by seeded Brillouin scattering in polarization-maintaining fibers. <i>Optics Letters</i> , 2019, 44, 2270.	3.3	3
36	Phase-controlled two-wave mixing in a moving grating. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 105.	2.1	2

#	ARTICLE	IF	CITATIONS
37	Label-free plasmonic assisted optical trapping of single DNA molecules. Optics Letters, 2021, 46, 1482.	3.3	2
38	Nonlinear and Novel Phenomena in Non-Hermitian Photonics. Advances in Dynamics, Patterns, Cognition, 2020, , 227-248.	0.3	2
39	Nanofluidic flow assisted assembly of dispersed plasmonic nanostructures into shallow nanochannel sensors. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, 06KM04.	1.2	1
40	Tunable and plasmon-enhanced four-wave mixing on an aluminum grating. Journal of Optics (United Tj ETQq0 0 0 ggBT /Overlock 10 Tf	2.2	1
41	Spatially Dispersive Shock Waves in Nonlinear Optics. Springer Series in Optical Sciences, 2012, , 231-257.	0.7	1
42	Optical brake induced by laser shock waves. Journal of Nonlinear Optical Physics and Materials, 2020, 29, 2050010.	1.8	1
43	Spatial Narrowing of Two-Photon Imaging in a Silicon CCD Camera. IEEE Photonics Technology Letters, 2022, 34, 459-462.	2.5	1
44	Superfluid-like shock waves in nonlinear optics. , 2006, , .		0
45	Dispersive shock waves in optical lattices. , 2007, , .		0
46	Dispersive, superfluid-like shock waves in nonlinear optics: Properties & interactions. , 2007, , .		0
47	Degenerate four-wave mixing with defocusing nonlinearity. , 2007, , .		0
48	Nonlinear diffraction from a straight edge. , 2009, , .		0
49	Coherent perfect absorption in nonlinear optics. Proceedings of SPIE, 2013, , .	0.8	0
50	Metal-free flat lens using negative refraction by nonlinear four-wave mixing. Proceedings of SPIE, 2014, , .	0.8	0
51	Metal-Free Optical-Controllable Lens by Nonlinear Negative Refraction. , 2015, , .		0
52	Optical velocimeter by second order correlation. Laser Physics, 2017, 27, 065602.	1.2	0
53	Nonlinear Optical Shock Waves: Properties and Interactions. , 2007, , .		0
54	Dispersive Shock Waves in Nonlocal Nonlinear Media. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
55	Forward Four-Wave Mixing With Defocusing Nonlinearity. , 2007, , .		0
56	Lattice shock waves in nonlinear waveguide arrays. , 2007, , .		0
57	Digital Reconstruction of Nonlinear Beam Propagation. , 2008, , .		0
58	Digital reconstruction of nonlinear beam propagation. , 2008, , .		0
59	Dispersive Shock Waves with Negative Pressure. , 2009, , .		0
60	Time-reversed Lasing and Control of Absorption in a Two-channel Coherent Perfect Absorber. , 2011, , .		0
61	Terahertz wave detection by plasmonic-antenna enhanced sum frequency generation. Journal of Nonlinear Optical Physics and Materials, 2020, 29, 2050008.	1.8	0