

Yonghong He

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

1,227
citations

430874

18
h-index

395702

33
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67
all docs

67
docs citations

67
times ranked

1032
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmable Broadband Responsive Lanthanide-Doped Nanoarchitecture for Information Encryption. <i>Advanced Optical Materials</i> , 2022, 10, 2101843.	7.3	7
2	A Self-Reference Interference Sensor Based on Coherence Multiplexing. <i>Frontiers in Chemistry</i> , 2022, 10, 880081.	3.6	3
3	Real-time monitoring the hydrolysis of chiral molecules by optical weak measurement. <i>Optik</i> , 2022, 263, 169340.	2.9	2
4	Specific detection of glucose by an optical weak measurement sensor. <i>Biomedical Optics Express</i> , 2021, 12, 5128.	2.9	3
5	Polarization Measurements and Evaluation Based on Multidimensional Polarization Indices Applied in Analyzing Atmospheric Particulates. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5992.	2.5	9
6	In situ detection of electrochemical reaction by weak measurement. <i>Optics Express</i> , 2021, 29, 19292.	3.4	3
7	Optimization of the Weak Measurement System by Determining the Optimal Total Phase Difference. <i>IEEE Photonics Journal</i> , 2021, 13, 1-8.	2.0	0
8	High-Throughput Chiral Molecule Determination Based on Multi-Channel Weak Measurement. <i>IEEE Photonics Journal</i> , 2021, 13, 1-12.	2.0	1
9	Imaging Sensor for the Detection of the Flow Battery Via Weak Value Amplification. <i>Analytical Chemistry</i> , 2021, 93, 12914-12920.	6.5	7
10	Spectrum Intensity Ratio Detection for Frequency Domain Weak Measurement System. <i>IEEE Photonics Journal</i> , 2020, 12, 1-12.	2.0	3
11	Spectral-Domain Phase Microscopy for Thickness Encoded Suspension Array. <i>IEEE Photonics Technology Letters</i> , 2020, 32, 461-464.	2.5	0
12	Hydrogel-based microbeads for Raman-encoded suspension array using the reversed-phase suspension polymerization method and ultraviolet light curing. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2731-2741.	3.7	2
13	Measuring angular rotation via the rotatory dispersion effect. <i>Physical Review A</i> , 2020, 102, .	2.5	5
14	A Waveguide-Coupled Surface Plasmon Resonance Sensor Using an Au-MgF ₂ -Au Structure. <i>Plasmonics</i> , 2019, 14, 187-195.	3.4	12
15	Detection of Macromolecular Content in a Mixed Solution of Protein Macromolecules and Small Molecules Using a Weak Measurement Linear Differential System. <i>Analytical Chemistry</i> , 2019, 91, 11576-11581.	6.5	11
16	Gold-nanorod-enhanced Raman spectroscopy encoded micro-quartz pieces for the multiplex detection of biomolecules. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5509-5518.	3.7	6
17	Detection of Simulated Periradicular Lesions in Porcine Bone by Optical Coherence Tomography. <i>Journal of Endodontics</i> , 2019, 45, 1024-1029.	3.1	3
18	Enhanced Interferometric Weak Value Amplification With Multiple Reflection. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 1557-1560.	2.5	0

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19	Fast and accurate decoding of Raman spectra-encoded suspension arrays using deep learning. <i>Analyst, The</i> , 2019, 144, 4312-4319.	3.5	27
20	A Differential Detection Method Based on a Linear Weak Measurement System. <i>Sensors</i> , 2019, 19, 2473.	3.8	1
21	Multifunctional weak measurement system that can measure the refractive index and optical rotation of a solution. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	21
22	Label-free and Non-destruction Determination of Single- and Double-Strand DNA based on Quantum Weak Measurement. <i>Scientific Reports</i> , 2019, 9, 1891.	3.3	4
23	In situ mapping of activity distribution and oxygen evolution reaction in vanadium flow batteries. <i>Nature Communications</i> , 2019, 10, 5286.	12.8	45
24	Spectral-optical-tweezer-assisted fluorescence multiplexing system for QDs-encoded bead-array bioassay. <i>Biosensors and Bioelectronics</i> , 2019, 129, 107-117.	10.1	12
25	Dual-channel-coded microbeads for multiplexed detection of biomolecules using assembling of quantum dots and element coding nanoparticles. <i>Analytica Chimica Acta</i> , 2018, 1024, 153-160.	5.4	6
26	<i>In Situ</i> Diagnostics on the Dynamic Processes of Ash Deposit Formation, Shedding, and Heat Transfer in a Self-Sustained Down-Fired Furnace. <i>Energy & Fuels</i> , 2018, 32, 4424-4431.	5.1	9
27	Effect of CO ₂ /H ₂ O on the Incipient Ultrafine Particulate Matter Formation in Oxy-fuel Combustion of High-Sodium Lignite. <i>Energy & Fuels</i> , 2018, 32, 4308-4314.	5.1	9
28	A chiral sensor based on weak measurement for the determination of Proline enantiomers in diverse measuring circumstances. <i>Biosensors and Bioelectronics</i> , 2018, 110, 103-109.	10.1	36
29	Scattering measurement of single particle for highly sensitive homogeneous detection of DNA in serum. <i>Talanta</i> , 2018, 178, 545-551.	5.5	6
30	Rapid Separation of Enantiomeric Impurities in Chiral Molecules by a Self-Referential Weak Measurement System. <i>Sensors</i> , 2018, 18, 3788.	3.8	5
31	A Fluidic Biosensor Based on a Phase-Sensitive Low-Coherence Spectral-Domain Interferometer. <i>Sensors</i> , 2018, 18, 3757.	3.8	4
32	Optical rotation based chirality detection of enantiomers via weak measurement in frequency domain. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	41
33	Dual-spectra encoded suspension array using reversed-phase microemulsion UV curing and electrostatic self-assembling. <i>RSC Advances</i> , 2018, 8, 21272-21279.	3.6	4
34	Characterization on Ignition and Volatile Combustion of Dispersed Coal Particle Streams: <i>In Situ</i> Diagnostics and Transient Modeling. <i>Energy & Fuels</i> , 2018, 32, 9850-9858.	5.1	23
35	Determination of Tumor Marker Carcinoembryonic Antigen with Biosensor Based on Optical Quantum Weak Measurements. <i>Sensors</i> , 2018, 18, 1550.	3.8	11
36	Optimization of a quantum weak measurement system with its working areas. <i>Optics Express</i> , 2018, 26, 21119.	3.4	29

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37	Monitoring microstructural variations of fresh skeletal muscle tissues by Mueller matrix imaging. <i>Journal of Biophotonics</i> , 2017, 10, 664-673.	2.3	60
38	Molecular imprinting sensor based on quantum weak measurement. <i>Biosensors and Bioelectronics</i> , 2017, 94, 328-334.	10.1	34
39	Digital immunoassay of a prostate-specific antigen using gold nanorods and magnetic nanoparticles. <i>RSC Advances</i> , 2017, 7, 27595-27602.	3.6	17
40	Digital triplex DNA assay based on plasmonic nanocrystals. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3657-3666.	3.7	4
41	Nondisturbing transverse acoustic sensor based on weak measurement in Mach-Zehnder interferometer. <i>Optical Engineering</i> , 2017, 56, 034107.	1.0	4
42	Enhancement of short coherence digital holographic microscopy by optical clearing. <i>Biomedical Optics Express</i> , 2017, 8, 2036.	2.9	1
43	Optical demodulation system for digitally encoded suspension array in fluoroimmunoassay. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	1
44	Optical weak measurement system with common path implementation for label-free biomolecule sensing. <i>Optics Letters</i> , 2016, 41, 5409.	3.3	52
45	Temperature-Regulated Surface Plasmon Resonance Imaging System for Bioaffinity Sensing. <i>Plasmonics</i> , 2016, 11, 771-779.	3.4	14
46	Digital barcodes of suspension array using laser induced breakdown spectroscopy. <i>Scientific Reports</i> , 2016, 6, 36511.	3.3	11
47	Digital Concentration Readout of DNA by Absolute Quantification of Optically Countable Gold Nanorods. <i>Analytical Chemistry</i> , 2016, 88, 10994-11000.	6.5	24
48	Retardance of bilayer anisotropic samples consisting of well-aligned cylindrical scatterers and birefringent media. <i>Journal of Biomedical Optics</i> , 2016, 21, 055002.	2.6	8
49	The detection method for small molecules coupled with a molecularly imprinted polymer/quantum dot chip using a home-built optical system. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5261-5268.	3.7	10
50	Application of quantum weak measurement for glucose concentration detection. <i>Applied Optics</i> , 2016, 55, 1697.	2.1	46
51	Quantum-dots-encoded-microbeads based molecularly imprinted polymer. <i>Biosensors and Bioelectronics</i> , 2016, 77, 886-893.	10.1	48
52	Quantitatively differentiating microstructures of tissues by frequency distributions of Mueller matrix images. <i>Journal of Biomedical Optics</i> , 2015, 20, 105009.	2.6	51
53	Qualitative Analysis of Cross-Border E-Commerce Based on Transaction Costs Theory. , 2015, , .		7
54	Optical waveguide sensor based on silica nanotube arrays for label-free biosensing. <i>Biosensors and Bioelectronics</i> , 2015, 67, 230-236.	10.1	18

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55	Study on the Despeckle Methods in Angular Surface Plasmon Resonance Imaging Sensors. <i>Plasmonics</i> , 2015, 10, 729-737.	3.4	7
56	Microfluidic generation of uniform quantum dot-encoded microbeads by gelation of alginate. <i>RSC Advances</i> , 2015, 5, 62706-62712.	3.6	16
57	Noninvasive and Real-Time Plasmon Waveguide Resonance Thermometry. <i>Sensors</i> , 2015, 15, 8481-8498.	3.8	6
58	Decoding of Quantum Dots Encoded Microbeads Using a Hyperspectral Fluorescence Imaging Method. <i>Analytical Chemistry</i> , 2015, 87, 5286-5293.	6.5	25
59	Characterizing microstructures of cancerous tissues using multispectral transformed Mueller matrix polarization parameters. <i>Biomedical Optics Express</i> , 2015, 6, 2934.	2.9	104
60	Fabrication and optical sensing properties of mesoporous silica nanorod arrays. <i>RSC Advances</i> , 2015, 5, 90659-90666.	3.6	16
61	CHARACTERISTIC FEATURES OF MUELLER MATRIX PATTERNS FOR POLARIZATION SCATTERING MODEL OF BIOLOGICAL TISSUES. <i>Journal of Innovative Optical Health Sciences</i> , 2014, 07, 1350028.	1.0	12
62	Study on retardance due to well-ordered birefringent cylinders in anisotropic scattering media. <i>Journal of Biomedical Optics</i> , 2014, 19, 065001.	2.6	11
63	Characterizing the microstructures of biological tissues using Mueller matrix and transformed polarization parameters. <i>Biomedical Optics Express</i> , 2014, 5, 4223.	2.9	167
64	A SiO ₂ -coated nanoporous alumina membrane for stable label-free waveguide biosensing. <i>RSC Advances</i> , 2014, 4, 62987-62995.	3.6	9
65	Mapping local orientation of aligned fibrous scatterers for cancerous tissues using backscattering Mueller matrix imaging. <i>Journal of Biomedical Optics</i> , 2014, 19, 106007.	2.6	73
66	Multichannel, Line-Monitoring Sensing Approach Based on Long-Range Surface Plasmons. <i>Plasmonics</i> , 2014, 9, 513-518.	3.4	0