

# D Fixler

## List of Publications by Year in descending order

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96  
papers

1,905  
citations

201385

27  
h-index

301761

39  
g-index

98  
all docs

98  
docs citations

98  
times ranked

1336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffused reflectance measurements to detect tattoo ink location in skin using the crossover point. <i>Journal of Biophotonics</i> , 2022, 15, e202200003.	1.1	2
2	Classification of fluorescent anisotropy decay based on the distance approach in the frequency domain. <i>Optics Express</i> , 2022, 30, 6176.	1.7	1
3	Simultaneous Noninvasive Detection and Therapy of Atherosclerosis Using HDL Coated Gold Nanorods. <i>Diagnostics</i> , 2022, 12, 577.	1.3	3
4	Magnetite Nanoparticles: Synthesis and Applications in Optics and Nanophotonics. <i>Materials</i> , 2022, 15, 2601.	1.3	28
5	Design and Use of a Gold Nanoparticle–Carbon Dot Hybrid for a FLIM-Based IMPLICATION Nano Logic Gate. <i>ACS Omega</i> , 2022, 7, 22818-22824.	1.6	5
6	Carbon Dots-Based Logic Gates. <i>Nanomaterials</i> , 2021, 11, 232.	1.9	21
7	Extraction of optical properties from a turbid medium using fiber probe for spectral and spatial diffuse reflectance measurement. <i>OSA Continuum</i> , 2021, 4, 762.	1.8	6
8	Comment on “Rapid Image Reconstruction of Structured Illumination Microscopy Directly in the Spatial Domain” and More About Point Spread Function Shaping for Enhanced Imaging Resolution. <i>IEEE Photonics Journal</i> , 2021, 13, 1-4.	1.0	0
9	The effect of optical magnification on the detection of the reduced scattering coefficient in the blue regime: theory and experiments. <i>Optics Express</i> , 2021, 29, 22228-22239.	1.7	4
10	Iterative optical technique for detecting anti-leishmania nanoparticles in mouse lesions. <i>Biomedical Optics Express</i> , 2021, 12, 4496.	1.5	6
11	Effect of Spatial Modulated Light on Position of Self-Calibration Point. <i>IEEE Photonics Journal</i> , 2021, 13, 1-5.	1.0	3
12	Fluorophore spectroscopy in aqueous glycerol solution: the interactions of glycerol with the fluorophore. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1397-1418.	1.6	1
13	Optimization of Gold Nanorod Features for the Enhanced Performance of Plasmonic Nanocavity Arrays. <i>ACS Omega</i> , 2021, 6, 29071-29077.	1.6	1
14	Nanocrystalline diamond sheets as protective coatings for fiber-optic measurement head. <i>Carbon</i> , 2020, 156, 104-109.	5.4	9
15	The Scattering of Gold Nanorods Combined with Differential Uptake, Paving a New Detection Method for Macrophage Subtypes Using Flow Cytometry. <i>Nano Letters</i> , 2020, 20, 8360-8368.	4.5	15
16	Gold Nanorod-Based Bio-Barcode Sensor Array for Enzymatic Detection in Biomedical Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 8414-8423.	2.4	7
17	Depth Scattering Characterization of Multi-Layer Turbid Media Based on Iterative Multi-Plane Reflectance Measurements. <i>IEEE Photonics Journal</i> , 2020, 12, 1-13.	1.0	6
18	Fluorescence for biological logic gates. <i>Journal of Biophotonics</i> , 2020, 13, e202000158.	1.1	27

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19	Diffusion Reflection Measurements of Antibodies Conjugated to Gold Nanoparticles as a Method to Identify Cutaneous Squamous Cell Carcinoma Borders. <i>Materials</i> , 2020, 13, 447.	1.3	4
20	Single wavelength measurements of absorption coefficients based on iso-pathlength point. <i>Biomedical Optics Express</i> , 2020, 11, 5760.	1.5	7
21	Hyperlipidemic mice as a model for a real-time in vivo detection of atherosclerosis by gold nanorods-based diffusion reflection technique. <i>Journal of Biophotonics</i> , 2019, 12, e201800218.	1.1	4
22	Biological Logic Gate Using Gold Nanoparticles and Fluorescence Lifetime Imaging Microscopy. <i>ACS Applied Nano Materials</i> , 2019, 2, 6527-6536.	2.4	26
23	The use of fluorescence lifetime technology in benign and malignant thyroid tissues. <i>Journal of Laryngology and Otology</i> , 2019, 133, 696-699.	0.4	2
24	Media Characterization under Scattering Conditions by Nanophotonics Iterative Multiplane Spectroscopy Measurements. <i>ACS Omega</i> , 2019, 4, 14301-14306.	1.6	10
25	Genetic Algorithm-Based Design for Metal-Enhanced Fluorescent Nanostructures. <i>Materials</i> , 2019, 12, 1766.	1.3	1
26	Estimation of the rate of entangled-photon-pair interaction with metallic nanoparticles based on classical-light second-harmonic generation measurements. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 145401.	0.6	4
27	Cardioprotection from stress conditions by weak magnetic fields in the Schumann Resonance band. <i>Scientific Reports</i> , 2019, 9, 1645.	1.6	37
28	The squared distance approach to frequency domain time-resolved fluorescence analysis. <i>Journal of Biophotonics</i> , 2019, 12, e201800485.	1.1	4
29	Algorithm for in vivo detection of tissue type from multiple scattering light phase images. <i>Biomedical Optics Express</i> , 2019, 10, 2909.	1.5	8
30	Self calibration iso-pathlength point in cylindrical tissue geometry: solution of steady-state photon diffusion based on the extrapolated zero-boundary. <i>OSA Continuum</i> , 2019, 2, 92.	1.8	7
31	Self-Calibration Phenomenon for Near-Infrared Clinical Measurements: Theory, Simulation, and Experiments. <i>ACS Omega</i> , 2018, 3, 2837-2844.	1.6	17
32	Pathogen Detection Using Frequency Domain Fluorescent Lifetime Measurements. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2731-2741.	2.5	11
33	Development of a molecular bioswitch using fluorescence lifetime imaging: Incremental activation of fluorescein diacetate. <i>Journal of Biophotonics</i> , 2018, 11, e201700084.	1.1	5
34	Near-Infrared human finger measurements based on self-calibration point: Simulation and in vivo experiments. <i>Journal of Biophotonics</i> , 2018, 11, e201700208.	1.1	10
35	Multimodal bioimaging based on gold nanorod and carbon dot nanohybrids as a novel tool for atherosclerosis detection. <i>Nano Research</i> , 2018, 11, 1262-1273.	5.8	44
36	Dynamic Ratiometric Imaging of Cytosolic Free Ca <sup>2+</sup> in Skeletal Muscle Cells Using 340/385-nm Light-Emitting Diode Illuminators. <i>IEEE Photonics Journal</i> , 2018, 10, 1-10.	1.0	0

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37	Gold Rod-Polyethylene Glycol-Carbon Dot Nanohybrids as Phototheranostic Probes. <i>Nanomaterials</i> , 2018, 8, 706.	1.9	9
38	Three-Dimensional Highly Sensitive Diffusion Reflection-Based Imaging Method for the in Vivo Localization of Atherosclerosis Plaques Following Gold Nanorods Accumulation. <i>ACS Omega</i> , 2018, 3, 6134-6142.	1.6	6
39	Optical method to extract the reduced scattering coefficient from tissue: theory and experiments. <i>Optics Letters</i> , 2018, 43, 5299.	1.7	16
40	Gold nanorods reflectance discriminate benign from malignant oral lesions. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1333-1339.	1.7	24
41	Gold nanorods based diffusion reflection measurements: current status and perspectives for clinical applications. <i>Nanophotonics</i> , 2017, 6, 1031-1042.	2.9	41
42	Nanoscale imaging and sensing for biomedical applications. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 758-759.	1.1	4
43	Fluorescence Lifetime Imaging Microscopy, a Novel Diagnostic Tool for Metastatic Cell Detection in the Cerebrospinal Fluid of Children with Medulloblastoma. <i>Scientific Reports</i> , 2017, 7, 3648.	1.6	23
44	Towards In Vivo Tumor Detection Using Polarization and Wavelength Characteristics of Self-Assembled Gold Nanorods. <i>ChemNanoMat</i> , 2017, 3, 736-739.	1.5	13
45	Reference-independent wide field-of-view fluorescence lifetime measurements using Frequency-Domain (FD) technique based on phase and amplitude crossing point. <i>Journal of Biophotonics</i> , 2017, 10, 1198-1207.	1.1	8
46	Haemocompatibility of Modified Nanodiamonds. <i>Materials</i> , 2017, 10, 352.	1.3	30
47	New optical sensing technique of tissue viability and blood flow based on nanophotonic iterative multi-plane reflectance measurements. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5237-5244.	3.3	9
48	Tissue-Like Phantoms as a Platform for Inserted Fluorescence Nano-Probes. <i>Materials</i> , 2016, 9, 926.	1.3	7
49	Experimental results of full scattering profile from finger tissue-like phantom. <i>Biomedical Optics Express</i> , 2016, 7, 4695.	1.5	17
50	Simulation of oxygen saturation measurement in a single blood vein. <i>Optics Letters</i> , 2016, 41, 4312.	1.7	10
51	Fluorescence lifetime imaging of DAPI-stained nuclei as a novel diagnostic tool for the detection and classification of B-cell chronic lymphocytic leukemia. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 644-652.	1.1	24
52	Utilizing fluorescent life time imaging microscopy technology for identify carriers of BRCA2 mutation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 36-41.	1.0	10
53	Weak electromagnetic fields alter Ca <sup>2+</sup> handling and protect against hypoxia-mediated damage in primary newborn rat myotube cultures. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 1459-1465.	1.3	6
54	The influence of the blood vessel diameter on the full scattering profile from cylindrical tissues: experimental evidence for the shielding effect. <i>Journal of Biophotonics</i> , 2016, 9, 1001-1008.	1.1	12

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55	Gold Nanorods Based Air Scanning Electron Microscopy and Diffusion Reflection Imaging for Mapping Tumor Margins in Squamous Cell Carcinoma. ACS Nano, 2016, 10, 2349-2356.	7.3	50
56	Nanoparticle uptake by macrophages in vulnerable plaques for atherosclerosis diagnosis. Journal of Biophotonics, 2015, 8, 871-883.	1.1	45
57	Detecting concentrations of milk components by an iterative optical technique. Journal of Biophotonics, 2015, 8, 979-984.	1.1	16
58	Fluorescence lifetime imaging and steady state polarization for examining binding of fluorophores to gold nanoparticles. Journal of Biophotonics, 2015, 8, 944-951.	1.1	17
59	Detection of gold nanorods uptake by macrophages using scattering analyses combined with diffusion reflection measurements as a potential tool for in vivo atherosclerosis tracking. International Journal of Nanomedicine, 2015, 10, 4437.	3.3	19
60	Enhanced pharmacological activity of Vitamin B12 and Penicillin as nanoparticles. International Journal of Nanomedicine, 2015, 10, 3593.	3.3	26
61	An ultra-sensitive dual-mode imaging system using metal-enhanced fluorescence in solid phantoms. Nano Research, 2015, 8, 3912-3921.	5.8	44
62	Experimental system for measuring the full scattering profile of circular phantoms. Biomedical Optics Express, 2015, 6, 2877.	1.5	37
63	Detecting nanoparticles in tissue using an optical iterative technique. Biomedical Optics Express, 2014, 5, 3871.	1.5	27
64	The influence of dead time related distortions on live cell fluorescence lifetime imaging (FLIM) experiments. Journal of Biophotonics, 2014, 7, 442-452.	1.1	6
65	Diffusion Reflection. Journal of Dental Research, 2014, 93, 602-606.	2.5	25
66	Diffusion Reflection and Fluorescence Lifetime Imaging Microscopy Study of Fluorophore-Conjugated Gold Nanoparticles or Nanorods in Solid Phantoms. ACS Photonics, 2014, 1, 900-905.	3.2	50
67	Gold Nanorods as Absorption Contrast Agents for the Noninvasive Detection of Arterial Vascular Disorders Based on Diffusion Reflection Measurements. Nano Letters, 2014, 14, 2681-2687.	4.5	42
68	Intercoupling surface plasmon resonance and diffusion reflection measurements for real-time cancer detection. Journal of Biophotonics, 2013, 6, 188-196.	1.1	29
69	Dependence of light scattering profile in tissue on blood vessel diameter and distribution: a computer simulation study. Journal of Biomedical Optics, 2013, 18, 111408.	1.4	41
70	Subcutaneous gold nanorods detection with diffusion reflection measurement. Journal of Biomedical Optics, 2013, 18, 061226.	1.4	35
71	In Vivo Tumor Detection Using Polarization and Wavelength Reflection Characteristics of Gold Nanorods. Nano Letters, 2013, 13, 6292-6296.	4.5	39
72	Photon Efficiency Optimization in Time-Related Single Photon Counting Technique for Fluorescence Lifetime Imaging Systems. IEEE Transactions on Biomedical Engineering, 2013, 60, 1571-1579.	2.5	40

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73	Estimation of flow rate and direction of medium with low scattering coefficient via linear polarization measurement. <i>Optics and Lasers in Engineering</i> , 2013, 51, 91-95.	2.0	1
74	Time-averaged fluorescence intensity analysis in fluorescence fluctuation polarization sensitive experiments. <i>Biomedical Optics Express</i> , 2013, 4, 868.	1.5	12
75	Speckle-based configuration for simultaneous <i>in vitro</i> inspection of mechanical contractions of cardiac myocyte cells. <i>Journal of Biomedical Optics</i> , 2013, 18, 101310.	1.4	9
76	Short time behavior of fluorescence intensity fluctuations in single molecule polarization sensitive experiments. <i>Optics Express</i> , 2012, 20, 9276.	1.7	6
77	A new method for cancer detection based on diffusion reflection measurements of targeted gold nanorods. <i>International Journal of Nanomedicine</i> , 2012, 7, 449.	3.3	27
78	<i>In vivo</i> Tumor detection using diffusion reflection measurements of targeted gold nanorods – a quantitative study. <i>Journal of Biophotonics</i> , 2012, 5, 263-273.	1.1	69
79	Correlation of magnetic AC field on cardiac myocyte $Ca^{2+}$ transients at different magnetic DC levels. <i>Bioelectromagnetics</i> , 2012, 33, 634-640.	0.9	18
80	Whole-Object Fluorescence Lifetime Setup for Efficient Non-Imaging Quantitative Intracellular Fluorophore Measurements. <i>Journal of Fluorescence</i> , 2012, 22, 875-882.	1.3	1
81	Depolarization of light in biological tissues. <i>Optics and Lasers in Engineering</i> , 2012, 50, 850-854.	2.0	9
82	The Limitations of Nonlinear Fluorescence Effect in Super Resolution Saturated Structured Illumination Microscopy System. <i>Journal of Fluorescence</i> , 2011, 21, 1075-1082.	1.3	12
83	A microscope configuration for nanometer 3-D movement monitoring accuracy. <i>Micron</i> , 2011, 42, 366-375.	1.1	35
84	Determination of coherence length in biological tissues. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 339-343.	1.1	31
85	Reflected light intensity profile of two-layer tissues: phantom experiments. <i>Journal of Biomedical Optics</i> , 2011, 16, 085001.	1.4	41
86	Linear optics based nanoscopy. <i>Optics Express</i> , 2010, 18, 22222.	1.7	44
87	Speckle random coding for 2D super resolving fluorescent microscopic imaging. <i>Micron</i> , 2007, 38, 121-128.	1.1	40
88	Influence of Fluorescence Anisotropy on Fluorescence Intensity and Lifetime Measurement: Theory, Simulations and Experiments. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 1141-1152.	2.5	44
89	Concomitant real-time monitoring of intracellular reactive oxygen species and mitochondrial membrane potential in individual living promonocytic cells. <i>Journal of Immunological Methods</i> , 2006, 316, 27-41.	0.6	32
90	Tracing apoptosis and stimulation in individual cells by fluorescence intensity and anisotropy decay. <i>Journal of Biomedical Optics</i> , 2005, 10, 034007.	1.4	50

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91	Synthetic aperture superresolution by speckle pattern projection. <i>Optics Express</i> , 2005, 13, 6073.	1.7	102
92	Fluorescence polarization: a novel indicator of cardiomyocyte contraction. <i>Biochemical and Biophysical Research Communications</i> , 2003, 300, 23-28.	1.0	7
93	Analysis of Early Apoptotic Events in Individual Cells by Fluorescence Intensity and Polarization Measurements. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1573-1582.	1.0	48
94	Differential aspects in ratio measurements of $[Ca^{2+}]_i$ relaxation in cardiomyocyte contraction following various drug treatments. <i>Cell Calcium</i> , 2002, 31, 279-287.	1.1	48
95	Prelytic Stimulation of Target and Effector Cells Following Conjugation as Measured by Intracellular Fluorescein Fluorescence Polarization. <i>Journal of Biomedical Optics</i> , 1998, 3, 312.	1.4	10
96	Monitoring of effector and target cell stimulation during conjugation by fluorescence polarization. <i>Biology of the Cell</i> , 1997, 89, 443-452.	0.7	6