

Ewa M Goldys

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8363936/publications.pdf>

Version: 2024-02-01

186
papers

7,840
citations

61984

43
h-index

56724

83
g-index

198
all docs

198
docs citations

198
times ranked

9716
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable lifetime multiplexing using luminescent nanocrystals. <i>Nature Photonics</i> , 2014, 8, 32-36.	31.4	652
2	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. <i>Nature Nanotechnology</i> , 2013, 8, 729-734.	31.5	569
3	Upconversion luminescence with tunable lifetime in NaYF ₄ :Yb,Er nanocrystals: role of nanocrystal size. <i>Nanoscale</i> , 2013, 5, 944-952.	5.6	327
4	Lanthanide upconversion luminescence at the nanoscale: fundamentals and optical properties. <i>Nanoscale</i> , 2016, 8, 13099-13130.	5.6	296
5	Ab Initio Site Occupancy and Far-Red Emission of Mn ⁴⁺ in Cubic-Phase La(MgTi) _{1/2} O ₃ for Plant Cultivation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6177-6185.	8.0	290
6	Three-dimensional controlled growth of monodisperse sub-50 nm heterogeneous nanocrystals. <i>Nature Communications</i> , 2016, 7, 10254.	12.8	267
7	Site-Dependent Luminescence and Thermal Stability of Eu ²⁺ Doped Fluorophosphate toward White LEDs for Plant Growth. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20856-20864.	8.0	216
8	Sensitivity Modulation of Upconverting Thermometry through Engineering Phonon Energy of a Matrix. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30312-30319.	8.0	182
9	Optical Characterization of Eu-Doped and Undoped Gd ₂ O ₃ Nanoparticles Synthesized by the Hydrogen Flame Pyrolysis Method. <i>Journal of the American Chemical Society</i> , 2006, 128, 14498-14505.	13.7	177
10	NAD ⁺ Repletion Rescues Female Fertility during Reproductive Aging. <i>Cell Reports</i> , 2020, 30, 1670-1681.e7.	6.4	169
11	Controlled gene and drug release from a liposomal delivery platform triggered by X-ray radiation. <i>Nature Communications</i> , 2018, 9, 2713.	12.8	158
12	Constructing multiform morphologies of YF: Er ³⁺ /Yb ³⁺ up-conversion nano/micro-crystals towards sub-tissue thermometry. <i>Chemical Engineering Journal</i> , 2017, 313, 65-73.	12.7	136
13	On-the-fly decoding luminescence lifetimes in the microsecond region for lanthanide-encoded suspension arrays. <i>Nature Communications</i> , 2014, 5, 3741.	12.8	135
14	Metal-enhanced fluorescence in the life sciences: here, now and beyond. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15695.	2.8	132
15	X-ray induced singlet oxygen generation by nanoparticle-photosensitizer conjugates for photodynamic therapy: determination of singlet oxygen quantum yield. <i>Scientific Reports</i> , 2016, 6, 19954.	3.3	121
16	Nanocomposites of gold nanoparticles and graphene oxide towards an stable label-free electrochemical immunosensor for detection of cardiac marker troponin-I. <i>Analytica Chimica Acta</i> , 2016, 909, 1-8.	5.4	120
17	Recent advances in cytokine detection by immunosensing. <i>Biosensors and Bioelectronics</i> , 2016, 79, 810-821.	10.1	109
18	Plasmonic Approach to Enhanced Fluorescence for Applications in Biotechnology and the Life Sciences. <i>Langmuir</i> , 2012, 28, 10152-10163.	3.5	102

#	ARTICLE	IF	CITATIONS
19	Enhanced Fluorescence Detection on Homogeneous Gold Colloid Self-Assembled Monolayer Substrates. <i>Chemistry of Materials</i> , 2008, 20, 1788-1797.	6.7	90
20	Homogeneous Silver-Coated Nanoparticle Substrates for Enhanced Fluorescence Detection. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23085-23091.	2.6	89
21	Upconversion in NaYF ₄ :Yb, Er nanoparticles amplified by metal nanostructures. <i>Nanotechnology</i> , 2011, 22, 325604.	2.6	73
22	Quantitative non-invasive cell characterisation and discrimination based on multispectral autofluorescence features. <i>Scientific Reports</i> , 2016, 6, 23453.	3.3	73
23	Fluorescence Amplification by Electrochemically Deposited Silver Nanowires with Fractal Architecture. <i>Journal of the American Chemical Society</i> , 2007, 129, 12117-12122.	13.7	72
24	Use of fluorescence spectroscopy to differentiate yeast and bacterial cells. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 121-126.	3.6	67
25	Linear Absorption and Molar Extinction Coefficients in Direct Semiconductor Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9261-9266.	3.1	66
26	Simultaneous Concentration and Separation of Proteins in a Nanochannel. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7546-7550.	13.8	66
27	Nonesterified Fatty Acid-Induced Endoplasmic Reticulum Stress in Cattle Cumulus Oocyte Complexes Alters Cell Metabolism and Developmental Competence ¹ . <i>Biology of Reproduction</i> , 2016, 94, 23.	2.7	66
28	Ultrabright Eu ³⁺ -Doped Plasmonic Ag@SiO ₂ Nanostructures: Time-Gated Bioprobes with Single Particle Sensitivity and Negligible Background. <i>Advanced Materials</i> , 2011, 23, 4649-4654.	21.0	63
29	Enhanced Fluorescent Immunoassays on Silver Fractal-like Structures. <i>Analytical Chemistry</i> , 2008, 80, 1962-1966.	6.5	60
30	Robust immunosensing system based on biotin-streptavidin coupling for spatially localized femtogram mL ⁻¹ level detection of interleukin-6. <i>Biosensors and Bioelectronics</i> , 2018, 102, 80-86.	10.1	60
31	Application of Mitochondrially Targeted Nanoconstructs to Neoadjuvant X-ray-Induced Photodynamic Therapy for Rectal Cancer. <i>ACS Central Science</i> , 2020, 6, 715-726.	11.3	60
32	Oxidative stress, mitochondrial perturbations and fetal programming of renal disease induced by maternal smoking. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 64, 81-90.	2.8	58
33	Dopamine sensing and measurement using threshold and spectral measurements in random lasers. <i>Optics Express</i> , 2016, 24, A85.	3.4	57
34	Fluorescence of Colloidal Gold Nanoparticles is Controlled by the Surface Adsorbate. <i>Advanced Functional Materials</i> , 2012, 22, 1906-1913.	14.9	53
35	Turn-on Fluorescent Aptasensor Based on AIEgen Labeling for the Localization of IFN- γ in Live Cells. <i>ACS Sensors</i> , 2018, 3, 320-326.	7.8	53
36	Practical Implementation, Characterization and Applications of a Multi-Colour Time-Gated Luminescence Microscope. <i>Scientific Reports</i> , 2014, 4, 6597.	3.3	51

#	ARTICLE	IF	CITATIONS
37	Multiphoton fluorescence lifetime imaging microscopy reveals free-to-bound NADH ratio changes associated with metabolic inhibition. <i>Journal of Biomedical Optics</i> , 2014, 19, 086016.	2.6	50
38	Mechanisms for Tuning Engineered Nanomaterials to Enhance Radiation Therapy of Cancer. <i>Advanced Science</i> , 2020, 7, 2003584.	11.2	49
39	Modulation of the organelle specificity in Re(tetrato) complexes leads to labeling of lipid droplets. <i>RSC Advances</i> , 2014, 4, 16345-16351.	3.6	48
40	Functional hyperspectral imaging captures subtle details of cell metabolism in olfactory neurosphere cells, disease-specific models of neurodegenerative disorders. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 56-63.	4.1	48
41	Graphene Oxide Thin Film with Dual Function Integrated into a Nanosandwich Device for in Vivo Monitoring of Interleukin-6. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41659-41668.	8.0	48
42	Luminescent nanoparticles and their applications in the life sciences. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 194101.	1.8	47
43	Fluorescence quenching of free and bound NADH in HeLa cells determined by hyperspectral imaging and unmixing of cell autofluorescence. <i>Biomedical Optics Express</i> , 2017, 8, 1488.	2.9	47
44	Light-induced liposomes for cancer therapeutics. <i>Progress in Lipid Research</i> , 2020, 79, 101052.	11.6	47
45	Advances in structure-switching aptasensing towards real time detection of cytokines. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 379-396.	11.4	46
46	X-ray radiation-induced and targeted photodynamic therapy with folic acid-conjugated biodegradable nanoconstructs. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3553-3570.	6.7	44
47	Development of a functional ruthenium(ii) complex for probing hypochlorous acid in living cells. <i>Dalton Transactions</i> , 2014, 43, 8414.	3.3	43
48	Light-Triggerable Liposomes for Enhanced Endolysosomal Escape and Gene Silencing in PC12 Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 7, 366-377.	5.1	41
49	Chemical sensing with nanoparticles as optical reporters: from noble metal nanoparticles to quantum dots and upconverting nanoparticles. <i>Analyst, The</i> , 2014, 139, 5321-5334.	3.5	40
50	Redox and anti-oxidant state within cattle oocytes following in vitro maturation with bone morphogenetic protein 15 and follicle stimulating hormone. <i>Molecular Reproduction and Development</i> , 2015, 82, 281-294.	2.0	40
51	Novel automated non invasive detection of ocular surface squamous neoplasia using multispectral autofluorescence imaging. <i>Ocular Surface</i> , 2019, 17, 540-550.	4.4	40
52	Sensitive Cytokine Assay Based on Optical Fiber Allowing Localized and Spatially Resolved Detection of Interleukin-6. <i>ACS Sensors</i> , 2017, 2, 218-226.	7.8	39
53	Rational Surface Design of Upconversion Nanoparticles with Polyethylenimine Coating for Biomedical Applications: Better Safe than Brighter?. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3143-3153.	5.2	38
54	L-carnitine reverses maternal cigarette smoke exposure-induced renal oxidative stress and mitochondrial dysfunction in mouse offspring. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F689-F696.	2.7	37

#	ARTICLE	IF	CITATIONS
55	Graphene quantum dot based “switch-on” nanosensors for intracellular cytokine monitoring. Nanoscale, 2017, 9, 4934-4943.	5.6	37
56	MitoQ supplementation prevent long-term impact of maternal smoking on renal development, oxidative stress and mitochondrial density in male mice offspring. Scientific Reports, 2018, 8, 6631.	3.3	36
57	Spatial and Temporal Control of CRISPR-Cas9-Mediated Gene Editing Delivered via a Light-Triggered Liposome System. ACS Applied Materials & Interfaces, 2020, 12, 52433-52444.	8.0	36
58	PGRC1 phosphorylation affects cell shape, motility, glycolysis, mitochondrial form and function, and tumor growth. BMC Molecular and Cell Biology, 2020, 21, 24.	2.0	36
59	Nano“Ruby: A Promising Fluorescent Probe for Background-Free Cellular Imaging. Particle and Particle Systems Characterization, 2013, 30, 506-513.	2.3	34
60	Visible 532-nm laser irradiation of human adipose tissue-derived stem cells: Effect on proliferation rates, mitochondria membrane potential and autofluorescence. Lasers in Surgery and Medicine, 2012, 44, 769-778.	2.1	33
61	Hyperspectral microscopy can detect metabolic heterogeneity within bovine post-compaction embryos incubated under two oxygen concentrations (7% versus 20%). Human Reproduction, 2017, 32, 2016-2025.	0.9	33
62	Non-invasive real-time imaging of reactive oxygen species (ROS) using auto-fluorescence multispectral imaging technique: A novel tool for redox biology. Redox Biology, 2020, 34, 101561.	9.0	33
63	Gallium Nanodroplets are Anti-Inflammatory without Interfering with Iron Homeostasis. ACS Nano, 2022, 16, 8891-8903.	14.6	33
64	Enhanced Flow Cytometry-Based Bead Immunoassays Using Metal Nanostructures. Analytical Chemistry, 2009, 81, 7248-7255.	6.5	32
65	Deposition of Silver Dendritic Nanostructures on Silicon for Enhanced Fluorescence. Journal of Physical Chemistry C, 2010, 114, 1562-1569.	3.1	32
66	Statistically strong label-free quantitative identification of native fluorophores in a biological sample. Scientific Reports, 2017, 7, 15792.	3.3	32
67	X-ray induced photodynamic therapy (PDT) with a mitochondria-targeted liposome delivery system. Journal of Nanobiotechnology, 2020, 18, 87.	9.1	32
68	Enhanced Stability of Gold Colloids Produced by Femtosecond Laser Synthesis in Aqueous Solution of CTAB. Langmuir, 2010, 26, 3156-3159.	3.5	31
69	Perspective: Biomedical sensing and imaging with optical fibers “Innovation through convergence of science disciplines. APL Photonics, 2018, 3, .	5.7	31
70	Metallic Nanomaterials for Sensitivity Enhancement of Fluorescence Detection. Sensors, 2008, 8, 886-896.	3.8	30
71	Concentration gradient focusing and separation in a silica nanofluidic channel with a non-uniform electroosmotic flow. Lab on A Chip, 2014, 14, 3539-3549.	6.0	30
72	Optogenetics, the intersection between physics and neuroscience: light stimulation of neurons in physiological conditions. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1292-R1302.	1.8	29

#	ARTICLE	IF	CITATIONS
73	Computer-assisted cystoscopy diagnosis of bladder cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2018, 36, 8.e9-8.e15.	1.6	29
74	Potential Use of Quantum Dots in Flow Cytometry. <i>International Journal of Molecular Sciences</i> , 2008, 9, 2622-2638.	4.1	28
75	Europium Chelate (BHHCT-Eu ³⁺) and Its Metal Nanostructure Enhanced Luminescence Applied to Bioassays and Time-Gated Bioimaging. <i>Langmuir</i> , 2010, 26, 10036-10043.	3.5	28
76	Light-triggered liposomal cargo delivery platform incorporating photosensitizers and gold nanoparticles for enhanced singlet oxygen generation and increased cytotoxicity. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 969-977.	6.7	28
77	A novel platform for in vivo detection of cytokine release within discrete brain regions. <i>Brain, Behavior, and Immunity</i> , 2018, 71, 18-22.	4.1	28
78	Medically Relevant Assays with a Simple Smartphone and Tablet Based Fluorescence Detection System. <i>Sensors</i> , 2015, 15, 11653-11664.	3.8	27
79	Emission stability and reversibility of upconversion nanocrystals. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9227-9234.	5.5	27
80	Directional two-photon induced surface plasmon-coupled emission. <i>Thin Solid Films</i> , 2005, 491, 173-176.	1.8	26
81	Nanoparticle-mediated singlet oxygen generation from photosensitizers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 66-71.	3.9	25
82	Graphene Oxide Based Recyclable <i>in Vivo</i> Device for Amperometric Monitoring of Interferon- β in Inflammatory Mice. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33078-33087.	8.0	25
83	Depolarized light scattering from colloidal gold nanoparticles. <i>Chemical Physics Letters</i> , 2009, 468, 69-74.	2.6	24
84	Ultrafast laser ablative generation of gold nanoparticles: the influence of pulse energy, repetition frequency and spot size. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2831-2842.	1.9	23
85	Verteporfin conjugated to gold nanoparticles for fluorescent cellular bioimaging and X-ray mediated photodynamic therapy. <i>Mikrochimica Acta</i> , 2017, 184, 1765-1771.	5.0	23
86	Nanochannel pH Gradient Electrofocusing of Proteins. <i>Analytical Chemistry</i> , 2013, 85, 7133-7138.	6.5	22
87	Stationary Chemical Gradients for Concentration Gradient-Based Separation and Focusing in Nanofluidic Channels. <i>Langmuir</i> , 2014, 30, 5337-5348.	3.5	22
88	Photoresponsive endosomal escape enhances gene delivery using liposome-polycation-DNA (LPD) nanovectors. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5269-5281.	5.8	22
89	Non-Invasive Monitoring of Functional State of Articular Cartilage Tissue with Label-Free Unsupervised Hyperspectral Imaging. <i>Scientific Reports</i> , 2019, 9, 4398.	3.3	22
90	Non-destructive, label free identification of cell cycle phase in cancer cells by multispectral microscopy of autofluorescence. <i>BMC Cancer</i> , 2019, 19, 1242.	2.6	22

#	ARTICLE	IF	CITATIONS
91	Non-invasive, label-free optical analysis to detect aneuploidy within the inner cell mass of the preimplantation embryo. Human Reproduction, 2021, 37, 14-29.	0.9	22
92	Coupled plasmon effects for the enhancement of fluorescent immunoassays. Physica B: Condensed Matter, 2007, 394, 297-300.	2.7	21
93	Distinctive autofluorescence of urine samples from individuals with bacteriuria compared with normals. Clinica Chimica Acta, 2009, 401, 73-75.	1.1	21
94	The potential of autofluorescence spectroscopy to detect human urinary tract infection. Talanta, 2010, 82, 912-917.	5.5	21
95	Plasmonic enhancement of Rhodamine dye random lasers. Laser Physics, 2015, 25, 085001.	1.2	21
96	CRISPR/Cas12a-powered immunosensor suitable for ultra-sensitive whole Cryptosporidium oocyst detection from water samples using a plate reader. Water Research, 2021, 203, 117553.	11.3	19
97	Spectral and coherence signatures of threshold in random lasers. Journal of Optics (United Kingdom), 2017, 19, 075601.	2.2	18
98	Wide-field time-gated photoluminescence microscopy for fast ultrahigh-sensitivity imaging of photoluminescent probes. Journal of Biophotonics, 2016, 9, 848-858.	2.3	17
99	Optimized Autofluorescence Spectral Signature for Non-Invasive Diagnostics of Ocular Surface Squamous Neoplasia (OSSN). IEEE Access, 2019, 7, 141343-141351.	4.2	17
100	A Nanoparticle-Based Affinity Sensor that Identifies and Selects Highly Cytokine-Secreting Cells. IScience, 2019, 20, 137-147.	4.1	17
101	AI-Eugen based poly(L-lactic-co-glycolic acid) magnetic nanoparticles to localize cytokine VEGF for early cancer diagnosis and photothermal therapy. Nanomedicine, 2019, 14, 1191-1201.	3.3	16
102	PGRC1 effects on metabolism, genomic mutation and CpG methylation imply crucial roles in animal biology and disease. BMC Molecular and Cell Biology, 2020, 21, 26.	2.0	16
103	A CRISPR/Cas12a-assisted on-fibre immunosensor for ultrasensitive small protein detection in complex biological samples. Analytica Chimica Acta, 2022, 1192, 339351.	5.4	16
104	Isoelectric Focusing in a Silica Nanofluidic Channel: Effects of Electromigration and Electroosmosis. Analytical Chemistry, 2014, 86, 8711-8718.	6.5	15
105	Molecularly imprinted polymer-based reusable biosensing device on stainless steel for spatially localized detection of cytokine IL-1 β . Sensors and Actuators B: Chemical, 2019, 292, 277-283.	7.8	15
106	An optical fiber based immunosensor for localized detection of IL-1 β in rat spinal cord. Sensors and Actuators B: Chemical, 2019, 282, 122-129.	7.8	15
107	PLGA nanocomposites loaded with verteporfin and gold nanoparticles for enhanced photodynamic therapy of cancer cells. RSC Advances, 2016, 6, 112393-112402.	3.6	14
108	Development of Bright and Biocompatible Nanoruby and Its Application to Background-Free Time-Gated Imaging of G-Protein-Coupled Receptors. ACS Applied Materials & Interfaces, 2017, 9, 39197-39208.	8.0	14

#	ARTICLE	IF	CITATIONS
109	Tracing upconversion nanoparticle penetration in human skin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110480.	5.0	14
110	Radiodynamic Therapy Using TAT Peptide-Targeted Verteporfin-Encapsulated PLGA Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6425.	4.1	14
111	Bright, water-soluble CeF ₃ photo-, cathodo-, and X-ray luminescent nanoparticles. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	13
112	Synthesis and characterization of disodium ethylenediaminetetraacetic acid capped and europium doped CdS nanoparticles. <i>Solid State Communications</i> , 2006, 137, 503-506.	1.9	12
113	Polymer brush based fluorescent immunosensor for direct monitoring of interleukin-1 β in rat blood. <i>Analyst</i> , 2019, 144, 5682-5690.	3.5	12
114	In vivo intrathecal IL-1 β quantification in rats: Monitoring the molecular signals of neuropathic pain. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 442-450.	4.1	12
115	Characterization of yeast strains by fluorescence lifetime imaging microscopy. <i>FEMS Yeast Research</i> , 2008, 8, 81-87.	2.3	11
116	Ageing human bone marrow mesenchymal stem cells have depleted NAD(P)H and distinct multispectral autofluorescence. <i>GeroScience</i> , 2021, 43, 859-868.	4.6	11
117	Oxygen-Carrying Polymer Nanoconstructs for Radiodynamic Therapy of Deep Hypoxic Malignant Tumors. <i>Biomedicines</i> , 2021, 9, 322.	3.2	11
118	Plastic Versus Glass Support for an Immunoassay on Metal-Coated Surfaces in Optically Dense Samples Utilizing Directional Surface Plasmon-Coupled Emission. <i>Journal of Fluorescence</i> , 2005, 15, 865-871.	2.5	10
119	Synthesis and Characterization of Doped and Undoped ZnO Nanostructures. <i>Microscopy and Microanalysis</i> , 2006, 12, 327-330.	0.4	10
120	Extreme Sensitivity of the Optical Properties of Metal Nanostructures to Minor Variations in Geometry Is Due to Highly Localized Electromagnetic Field Modes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 676-682.	3.1	10
121	Programmable LED-based integrating sphere light source for wide-field fluorescence microscopy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 20, 201-206.	2.6	10
122	A microfluidic needle for sampling and delivery of chemical signals by segmented flows. <i>Applied Physics Letters</i> , 2017, 111, 183702.	3.3	10
123	Chemically binding Eu ³⁺ onto CdS semiconductor nanoparticle surface. <i>Chinese Chemical Letters</i> , 2007, 18, 581-584.	9.0	9
124	Quantification of nanoparticle concentration in colloidal suspensions by a non-destructive optical method. <i>Nanotechnology</i> , 2017, 28, 475702.	2.6	9
125	Acute stress induces the rapid and transient induction of caspase-1, gasdermin D and release of constitutive IL-1 β protein in dorsal hippocampus. <i>Brain, Behavior, and Immunity</i> , 2020, 90, 70-80.	4.1	9
126	A simple and versatile CRISPR/Cas12a-based immunosensing platform: Towards attomolar level sensitivity for small protein diagnostics. <i>Talanta</i> , 2022, 246, 123469.	5.5	9

#	ARTICLE	IF	CITATIONS
127	The influence of indoxyl sulfate and ammonium on the autofluorescence of human urine. <i>Talanta</i> , 2010, 80, 1269-1276.	5.5	8
128	Multi-LED light source for hyperspectral imaging. <i>Optics Express</i> , 2017, 25, 32659.	3.4	8
129	A Method for in Vivo Quantification Of Cytokine IL-1 β In The Rat Intrathecal Space. <i>ACS Applied Bio Materials</i> , 2020, 3, 539-546.	4.6	8
130	Multispectral autofluorescence characteristics of reproductive aging in old and young mouse oocytes. <i>Biogerontology</i> , 2022, 23, 237-249.	3.9	8
131	A method to assess modifications of fluorophore radiative rate by plasmonic structures. <i>Chemical Physics Letters</i> , 2008, 466, 186-188.	2.6	7
132	Quantitative characterization of different strains of <i>Saccharomyces</i> yeast by analysis of fluorescence microscopy images of cell populations. <i>Journal of Microbiological Methods</i> , 2009, 77, 77-84.	1.6	7
133	Simple Bead Assay for Detection of Live Bacteria (<i>Escherichia coli</i>). <i>Analytical Chemistry</i> , 2011, 83, 1443-1447.	6.5	7
134	Extended emission wavelength of random dye lasers by exploiting radiative and non-radiative energy transfer. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	2.2	7
135	Pterygium and Ocular Surface Squamous Neoplasia: Optical Biopsy Using a Novel Autofluorescence Multispectral Imaging Technique. <i>Cancers</i> , 2022, 14, 1591.	3.7	7
136	A mobility shift assay for DNA detection using nanochannel gradient electrophoresis. <i>Electrophoresis</i> , 2017, 38, 335-341.	2.4	6
137	Non-invasive assessment of exfoliated kidney cells extracted from urine using multispectral autofluorescence features. <i>Scientific Reports</i> , 2021, 11, 10655.	3.3	6
138	Modeling of the SPR resolution enhancement for conventional and nanoparticle inclusive sensors by using statistical hypothesis testing. <i>Optics Express</i> , 2010, 18, 9384.	3.4	5
139	Dense Two-Dimensional Silver Single and Double Nanoparticle Arrays with Plasmonic Response in Wide Spectral Range. <i>Langmuir</i> , 2012, 28, 9071-9081.	3.5	5
140	Autofluorescence excitation-emission matrices as a quantitative tool for the assessment of meat quality. <i>Journal of Biophotonics</i> , 2020, 13, e201900237.	2.3	5
141	Amplified protein sensing using deep purple fluorophores on homogeneous Au substrates. <i>BioFactors</i> , 2007, 30, 249-253.	5.4	4
142	Plasmonic Properties of Periodic Arrays of Ag Nanocylinders and Dimers, and the Effects of an Underlying Ag Layer. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22083-22093.	3.1	4
143	Microfabricated needle for hydrogen peroxide detection. <i>RSC Advances</i> , 2019, 9, 18176-18181.	3.6	4
144	Rapid identification of microorganisms by intrinsic fluorescence. , 2005, 5699, 9.		3

#	ARTICLE	IF	CITATIONS
145	Growth-temperature-dependent cathodoluminescence properties of GaSb/GaAs quantum-dot multilayer structures. <i>Applied Physics Letters</i> , 2005, 86, 173113.	3.3	3
146	Gene Interference with Morpholinos in a Gold Nanoparticle-Based Delivery Platform in Rat PC12 Cells. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 2111-2123.	1.1	3
147	Printed circuit boards as platform for disposable lab-on-a-chip applications. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
148	Hyperspectral imaging of endogenous fluorescent metabolic molecules to identify pain states in central nervous system tissue. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
149	Unique Deep Radiomic Signature Shows NMN Treatment Reverses Morphology of Oocytes from Aged Mice. <i>Biomedicines</i> , 2022, 10, 1544.	3.2	3
150	Plasmonic Ag/SiO ₂ composite nanoparticles doped with europium chelate and their metal enhanced fluorescence. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
151	The Autofluorescence Patterns of <i>Acanthamoeba castellanii</i> , <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> : Effects of Antibiotics and Tetracaine. <i>Pathogens</i> , 2021, 10, 894.	2.8	2
152	Chick Embryo Experimental Platform for Micrometastases Research in a 3D Tissue Engineering Model: Cancer Biology, Drug Development, and Nanotechnology Applications. <i>Biomedicines</i> , 2021, 9, 1578.	3.2	2
153	Exfoliated Kidney Cells from Urine for Early Diagnosis and Prognostication of CKD: The Way of the Future?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7610.	4.1	2
154	Detection limit improvement of surface plasmon resonance based biosensors using statistical hypothesis testing. , 2005, , .		1
155	Fluorescent gold nanoparticles produced by femtosecond laser ablation with CTAB as a surfactant. , 2010, , .		1
156	Gold Nanoparticles: Fluorescence of Colloidal Gold Nanoparticles is Controlled by the Surface Adsorbate (<i>Adv. Funct. Mater.</i> 9/2012). <i>Advanced Functional Materials</i> , 2012, 22, 1989-1989.	14.9	1
157	Detection of Specific Strains of Viable Bacterial Pathogens by Using RNA Bead Assays and Flow Cytometry with 2100 Bioanalyzer. <i>Methods in Molecular Biology</i> , 2012, 875, 253-262.	0.9	1
158	Autofluorescent imprint of chronic constriction nerve injury identified by deep learning. <i>Neurobiology of Disease</i> , 2021, 160, 105528.	4.4	1
159	Activation of the Mammalian Cells by Using Light-Sensitive Ion Channels. <i>Methods in Molecular Biology</i> , 2012, 875, 241-251.	0.9	1
160	CHAPTER 10. Photoluminescent Hybrid Inorganicâ€“Protein Nanostructures for Imaging and Sensing In Vivo and In Vitro. <i>RSC Smart Materials</i> , 2015, , 245-284.	0.1	1
161	Light-triggered liposomal cargo delivery platform incorporating photosensitizers and gold nanoparticles for enhanced singlet oxygen generation and increased cytotoxicity. , 2018, , .		1
162	The effect of size of Au-core Ag-shell nanoparticles on their enhancement of fluorescence. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
163	Cadmium selenide and zinc sulfide nanoparticles - challenges in synthesis revealed through optical properties. , 2006, , .		0
164	Ultrasensitive detection in optically dense physiological media: applications to fast reliable biological assays. , 2006, 6092, 125.		0
165	Nanoplasmonic Platforms for Bioassays. , 2006, , .		0
166	GaSb quantum dots and its microanalysis using X-ray photoelectron spectroscopy (XPS). , 2010, , .		0
167	Silver nanostructure coated beads enhance fluorescence for sensitive immunoassays and bioimaging. , 2010, , .		0
168	Mechanisms of size-dependent lifetime quenching in luminescent upconverting colloidal NaYF ₄ :Yb, Er nanocrystals. , 2011, , .		0
169	Nanoscale plasmonic resonators with high Purcell factor: spontaneous and stimulated emission. , 2011, , .		0
170	Tuning resonant modes in a plasmonic array of nanocylinders by a mirror. , 2011, , .		0
171	Plasmonic enhancement of coherence in random lasers. , 2014, , .		0
172	Fluorescence resonance energy transfer (FRET) in random dye lasers. , 2015, , .		0
173	Systematic assessment of blood circulation time of functionalized upconversion nanoparticles in the chick embryo. , 2015, , .		0
174	Enhanced singlet oxygen generation from PLGA loaded with verteporfin and gold nanoparticles. , 2016, , .		0
175	Non-imaging Optics of multi-LED light source for hyperspectral imaging. Proceedings of SPIE, 2016, , .	0.8	0
176	Onion-like surface design of upconverting nanophosphors modified with polyethylenimine: shielding toxicity versus keeping brightness?. Proceedings of SPIE, 2016, , .	0.8	0
177	The Effect of Growth Temperature and V/III Flux Ratio of MOCVD Antimony Based Semiconductors on Growth Rate and Surface Morphology. MATEC Web of Conferences, 2017, 95, 01005.	0.2	0
178	Hyperspectral and Brightfield Imaging Combined with Deep Learning Uncover Hidden Regularities of Colours and Patterns in Biological Cells and Tissues. , 2021, , .		0
179	Characterisation of Upconversion Nanoparticles for Imaging. , 2013, , .		0
180	Ruby-Nanocrystal-Enhanced Random Dye Lasers. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
181	Non-invasive detection and monitoring of biochemistry in cells and tissues by decomposing autofluorescence. , 2016, , .		0
182	Label-free assessment of endothelial cell metabolic state using autofluorescent microscopy. , 2016, , .		0
183	Enhanced gene silencing mediated by photoresponsive liposomes. Proceedings of SPIE, 2016, , .	0.8	0
184	Hyperspectral imaging of the early embryo: can it detect chromosome abnormalities and predict IVF success?. , 2019, , .		0
185	Multispectral characterisation of mesenchymal stem/stromal cells: age, cell cycle, senescence, and pluripotency. , 2020, , .		0
186	Label-free assessment of Panc-1 cells viability and changes in metabolic fluorophores followed by radiodynamic therapy (RDT). , 2022, , .		0