

Ewa M Goldys

List of Publications by Year in descending order

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186
papers

7,840
citations

71004

43
h-index

64407

83
g-index

198
all docs

198
docs citations

198
times ranked

10913
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable lifetime multiplexing using luminescent nanocrystals. <i>Nature Photonics</i> , 2014, 8, 32-36.	15.6	652
2	Single-nanocrystal sensitivity achieved by enhanced upconversion luminescence. <i>Nature Nanotechnology</i> , 2013, 8, 729-734.	15.6	569
3	Upconversion luminescence with tunable lifetime in NaYF ₄ :Yb,Er nanocrystals: role of nanocrystal size. <i>Nanoscale</i> , 2013, 5, 944-952.	2.8	327
4	Lanthanide upconversion luminescence at the nanoscale: fundamentals and optical properties. <i>Nanoscale</i> , 2016, 8, 13099-13130.	2.8	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.	4.0	290
6	Three-dimensional controlled growth of monodisperse sub-50 nm heterogeneous nanocrystals. <i>Nature Communications</i> , 2016, 7, 10254.	5.8	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.	4.0	216
8	Sensitivity Modulation of Upconverting Thermometry through Engineering Phonon Energy of a Matrix. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30312-30319.	4.0	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.	6.6	177
10	NAD ⁺ Repletion Rescues Female Fertility during Reproductive Aging. <i>Cell Reports</i> , 2020, 30, 1670-1681.e7.	2.9	169
11	Controlled gene and drug release from a liposomal delivery platform triggered by X-ray radiation. <i>Nature Communications</i> , 2018, 9, 2713.	5.8	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.	6.6	136
13	On-the-fly decoding luminescence lifetimes in the microsecond region for lanthanide-encoded suspension arrays. <i>Nature Communications</i> , 2014, 5, 3741.	5.8	135
14	Metal-enhanced fluorescence in the life sciences: here, now and beyond. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15695.	1.3	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.	1.6	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.	2.6	120
17	Recent advances in cytokine detection by immunosensing. <i>Biosensors and Bioelectronics</i> , 2016, 79, 810-821.	5.3	109
18	Plasmonic Approach to Enhanced Fluorescence for Applications in Biotechnology and the Life Sciences. <i>Langmuir</i> , 2012, 28, 10152-10163.	1.6	102

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19	Enhanced Fluorescence Detection on Homogeneous Gold Colloid Self-Assembled Monolayer Substrates. <i>Chemistry of Materials</i> , 2008, 20, 1788-1797.	3.2	90
20	Homogeneous Silver-Coated Nanoparticle Substrates for Enhanced Fluorescence Detection. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23085-23091.	1.2	89
21	Upconversion in NaYF ₄ :Yb, Er nanoparticles amplified by metal nanostructures. <i>Nanotechnology</i> , 2011, 22, 325604.	1.3	73
22	Quantitative non-invasive cell characterisation and discrimination based on multispectral autofluorescence features. <i>Scientific Reports</i> , 2016, 6, 23453.	1.6	73
23	Fluorescence Amplification by Electrochemically Deposited Silver Nanowires with Fractal Architecture. <i>Journal of the American Chemical Society</i> , 2007, 129, 12117-12122.	6.6	72
24	Use of fluorescence spectroscopy to differentiate yeast and bacterial cells. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 121-126.	1.7	67
25	Linear Absorption and Molar Extinction Coefficients in Direct Semiconductor Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9261-9266.	1.5	66
26	Simultaneous Concentration and Separation of Proteins in a Nanochannel. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7546-7550.	7.2	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.	1.2	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.	11.1	63
29	Enhanced Fluorescent Immunoassays on Silver Fractal-like Structures. <i>Analytical Chemistry</i> , 2008, 80, 1962-1966.	3.2	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.	5.3	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.	5.3	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.	1.2	58
33	Dopamine sensing and measurement using threshold and spectral measurements in random lasers. <i>Optics Express</i> , 2016, 24, A85.	1.7	57
34	Fluorescence of Colloidal Gold Nanoparticles is Controlled by the Surface Adsorbate. <i>Advanced Functional Materials</i> , 2012, 22, 1906-1913.	7.8	53
35	Turn-on Fluorescent Aptasensor Based on AIEgen Labeling for the Localization of IFN- β in Live Cells. <i>ACS Sensors</i> , 2018, 3, 320-326.	4.0	53
36	Practical Implementation, Characterization and Applications of a Multi-Colour Time-Gated Luminescence Microscope. <i>Scientific Reports</i> , 2014, 4, 6597.	1.6	51

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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.	1.4	50
38	Mechanisms for Tuning Engineered Nanomaterials to Enhance Radiation Therapy of Cancer. <i>Advanced Science</i> , 2020, 7, 2003584.	5.6	49
39	Modulation of the organelle specificity in Re(λ) tetrazolato complexes leads to labeling of lipid droplets. <i>RSC Advances</i> , 2014, 4, 16345-16351.	1.7	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.	1.9	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.	4.0	48
42	Luminescent nanoparticles and their applications in the life sciences. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 194101.	0.7	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.	1.5	47
44	Light-induced liposomes for cancer therapeutics. <i>Progress in Lipid Research</i> , 2020, 79, 101052.	5.3	47
45	Advances in structure-switching aptasensing towards real time detection of cytokines. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 379-396.	5.8	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.	3.3	44
47	Development of a functional ruthenium(ii) complex for probing hypochlorous acid in living cells. <i>Dalton Transactions</i> , 2014, 43, 8414.	1.6	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.	2.3	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.	1.7	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.	1.0	40
51	Novel automated non invasive detection of ocular surface squamous neoplasia using multispectral autofluorescence imaging. <i>Ocular Surface</i> , 2019, 17, 540-550.	2.2	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.	4.0	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.	2.6	38
54	λ -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.	1.3	37

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55	Graphene quantum dot based "switch-on" nanosensors for intracellular cytokine monitoring. <i>Nanoscale</i> , 2017, 9, 4934-4943.	2.8	37
56	MitoQ supplementation prevent long-term impact of maternal smoking on renal development, oxidative stress and mitochondrial density in male mice offspring. <i>Scientific Reports</i> , 2018, 8, 6631.	1.6	36
57	Spatial and Temporal Control of CRISPR-Cas9-Mediated Gene Editing Delivered via a Light-Triggered Liposome System. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52433-52444.	4.0	36
58	PGRMC1 phosphorylation affects cell shape, motility, glycolysis, mitochondrial form and function, and tumor growth. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 24.	1.0	36
59	Nano-Ruby: A Promising Fluorescent Probe for Background-Free Cellular Imaging. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 506-513.	1.2	34
60	Visible 532-nm laser irradiation of human adipose tissue-derived stem cells: Effect on proliferation rates, mitochondria membrane potential and autofluorescence. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 769-778.	1.1	33
61	Hyperspectral microscopy can detect metabolic heterogeneity within bovine post-compaction embryos incubated under two oxygen concentrations (7% versus 20%). <i>Human Reproduction</i> , 2017, 32, 2016-2025.	0.4	33
62	Non-invasive real-time imaging of reactive oxygen species (ROS) using auto-fluorescence multispectral imaging technique: A novel tool for redox biology. <i>Redox Biology</i> , 2020, 34, 101561.	3.9	33
63	Gallium Nanodroplets are Anti-Inflammatory without Interfering with Iron Homeostasis. <i>ACS Nano</i> , 2022, 16, 8891-8903.	7.3	33
64	Enhanced Flow Cytometry-Based Bead Immunoassays Using Metal Nanostructures. <i>Analytical Chemistry</i> , 2009, 81, 7248-7255.	3.2	32
65	Deposition of Silver Dendritic Nanostructures on Silicon for Enhanced Fluorescence. <i>Journal of Physical Chemistry C</i> , 2010, 114, 1562-1569.	1.5	32
66	Statistically strong label-free quantitative identification of native fluorophores in a biological sample. <i>Scientific Reports</i> , 2017, 7, 15792.	1.6	32
67	X-ray induced photodynamic therapy (PDT) with a mitochondria-targeted liposome delivery system. <i>Journal of Nanobiotechnology</i> , 2020, 18, 87.	4.2	32
68	Enhanced Stability of Gold Colloids Produced by Femtosecond Laser Synthesis in Aqueous Solution of CTAB. <i>Langmuir</i> , 2010, 26, 3156-3159.	1.6	31
69	Perspective: Biomedical sensing and imaging with optical fibers "Innovation through convergence of science disciplines. <i>APL Photonics</i> , 2018, 3, .	3.0	31
70	Metallic Nanomaterials for Sensitivity Enhancement of Fluorescence Detection. <i>Sensors</i> , 2008, 8, 886-896.	2.1	30
71	Concentration gradient focusing and separation in a silica nanofluidic channel with a non-uniform electroosmotic flow. <i>Lab on A Chip</i> , 2014, 14, 3539-3549.	3.1	30
72	Optogenetics, the intersection between physics and neuroscience: light stimulation of neurons in physiological conditions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1292-R1302.	0.9	29

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73	Computer-assisted cystoscopy diagnosis of bladder cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2018, 36, 8.e9-8.e15.	0.8	29
74	Potential Use of Quantum Dots in Flow Cytometry. <i>International Journal of Molecular Sciences</i> , 2008, 9, 2622-2638.	1.8	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.	1.6	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.	3.3	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.	2.0	28
78	Medically Relevant Assays with a Simple Smartphone and Tablet Based Fluorescence Detection System. <i>Sensors</i> , 2015, 15, 11653-11664.	2.1	27
79	Emission stability and reversibility of upconversion nanocrystals. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9227-9234.	2.7	27
80	Directional two-photon induced surface plasmon-coupled emission. <i>Thin Solid Films</i> , 2005, 491, 173-176.	0.8	26
81	Nanoparticle-mediated singlet oxygen generation from photosensitizers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 66-71.	2.0	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.	4.0	25
83	Depolarized light scattering from colloidal gold nanoparticles. <i>Chemical Physics Letters</i> , 2009, 468, 69-74.	1.2	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.	0.8	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.	2.5	23
86	Nanochannel pH Gradient Electrofocusing of Proteins. <i>Analytical Chemistry</i> , 2013, 85, 7133-7138.	3.2	22
87	Stationary Chemical Gradients for Concentration Gradient-Based Separation and Focusing in Nanofluidic Channels. <i>Langmuir</i> , 2014, 30, 5337-5348.	1.6	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.	2.9	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.	1.6	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.	1.1	22

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91	Non-invasive, label-free optical analysis to detect aneuploidy within the inner cell mass of the preimplantation embryo. <i>Human Reproduction</i> , 2021, 37, 14-29.	0.4	22
92	Coupled plasmon effects for the enhancement of fluorescent immunoassays. <i>Physica B: Condensed Matter</i> , 2007, 394, 297-300.	1.3	21
93	Distinctive autofluorescence of urine samples from individuals with bacteriuria compared with normals. <i>Clinica Chimica Acta</i> , 2009, 401, 73-75.	0.5	21
94	The potential of autofluorescence spectroscopy to detect human urinary tract infection. <i>Talanta</i> , 2010, 82, 912-917.	2.9	21
95	Plasmonic enhancement of Rhodamine dye random lasers. <i>Laser Physics</i> , 2015, 25, 085001.	0.6	21
96	CRISPR/Cas12a-powered immunosensor suitable for ultra-sensitive whole <i>Cryptosporidium</i> oocyst detection from water samples using a plate reader. <i>Water Research</i> , 2021, 203, 117553.	5.3	19
97	Spectral and coherence signatures of threshold in random lasers. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 073001.	1.0	18
98	Wide-field time-gated photoluminescence microscopy for fast ultrahigh-sensitivity imaging of photoluminescent probes. <i>Journal of Biophotonics</i> , 2016, 9, 848-858.	1.1	17
99	Optimized Autofluorescence Spectral Signature for Non-Invasive Diagnostics of Ocular Surface Squamous Neoplasia (OSSN). <i>IEEE Access</i> , 2019, 7, 141343-141351.	2.6	17
100	A Nanoparticle-Based Affinity Sensor that Identifies and Selects Highly Cytokine-Secreting Cells. <i>IScience</i> , 2019, 20, 137-147.	1.9	17
101	AI-Gen based poly(L-lactic-co-glycolic acid) magnetic nanoparticles to localize cytokine VEGF for early cancer diagnosis and photothermal therapy. <i>Nanomedicine</i> , 2019, 14, 1191-1201.	1.7	16
102	PGRMC1 effects on metabolism, genomic mutation and CpG methylation imply crucial roles in animal biology and disease. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 26.	1.0	16
103	A CRISPR/Cas12a-assisted on-fibre immunosensor for ultrasensitive small protein detection in complex biological samples. <i>Analytica Chimica Acta</i> , 2022, 1192, 339351.	2.6	16
104	Isoelectric Focusing in a Silica Nanofluidic Channel: Effects of Electromigration and Electroosmosis. <i>Analytical Chemistry</i> , 2014, 86, 8711-8718.	3.2	15
105	Molecularly imprinted polymer-based reusable biosensing device on stainless steel for spatially localized detection of cytokine IL-1 β . <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 277-283.	4.0	15
106	An optical fiber based immunosensor for localized detection of IL-1 β in rat spinal cord. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 122-129.	4.0	15
107	PLGA nanocomposites loaded with verteporfin and gold nanoparticles for enhanced photodynamic therapy of cancer cells. <i>RSC Advances</i> , 2016, 6, 112393-112402.	1.7	14
108	Development of Bright and Biocompatible Nanoruby and Its Application to Background-Free Time-Gated Imaging of G-Protein-Coupled Receptors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39197-39208.	4.0	14

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109	Tracing upconversion nanoparticle penetration in human skin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110480.	2.5	14
110	Radiodynamic Therapy Using TAT Peptide-Targeted Verteporfin-Encapsulated PLGA Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6425.	1.8	14
111	Bright, water-soluble CeF ₃ photo-, cathodo-, and X-ray luminescent nanoparticles. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	13
112	Synthesis and characterization of disodium ethylenediaminetetraacetic acid capped and europium doped CdS nanoparticles. <i>Solid State Communications</i> , 2006, 137, 503-506.	0.9	12
113	Polymer brush based fluorescent immunosensor for direct monitoring of interleukin-1 β in rat blood. <i>Analyst</i> , 2019, 144, 5682-5690.	1.7	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.	2.0	12
115	Characterization of yeast strains by fluorescence lifetime imaging microscopy. <i>FEMS Yeast Research</i> , 2008, 8, 81-87.	1.1	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.	2.1	11
117	Oxygen-Carrying Polymer Nanoconstructs for Radiodynamic Therapy of Deep Hypoxic Malignant Tumors. <i>Biomedicines</i> , 2021, 9, 322.	1.4	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.	1.3	10
119	Synthesis and Characterization of Doped and Undoped ZnO Nanostructures. <i>Microscopy and Microanalysis</i> , 2006, 12, 327-330.	0.2	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.	1.5	10
121	Programmable LED-based integrating sphere light source for wide-field fluorescence microscopy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 20, 201-206.	1.3	10
122	A microfluidic needle for sampling and delivery of chemical signals by segmented flows. <i>Applied Physics Letters</i> , 2017, 111, 183702.	1.5	10
123	Chemically binding Eu ³⁺ onto CdS semiconductor nanoparticle surface. <i>Chinese Chemical Letters</i> , 2007, 18, 581-584.	4.8	9
124	Quantification of nanoparticle concentration in colloidal suspensions by a non-destructive optical method. <i>Nanotechnology</i> , 2017, 28, 475702.	1.3	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.	2.0	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.	2.9	9

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127	The influence of indoxyl sulfate and ammonium on the autofluorescence of human urine. <i>Talanta</i> , 2010, 80, 1269-1276.	2.9	8
128	Multi-LED light source for hyperspectral imaging. <i>Optics Express</i> , 2017, 25, 32659.	1.7	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.	2.3	8
130	Multispectral autofluorescence characteristics of reproductive aging in old and young mouse oocytes. <i>Biogerontology</i> , 2022, 23, 237-249.	2.0	8
131	A method to assess modifications of fluorophore radiative rate by plasmonic structures. <i>Chemical Physics Letters</i> , 2008, 466, 186-188.	1.2	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.	0.7	7
133	Simple Bead Assay for Detection of Live Bacteria (<i>Escherichia coli</i>). <i>Analytical Chemistry</i> , 2011, 83, 1443-1447.	3.2	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.	1.1	7
135	Pterygium and Ocular Surface Squamous Neoplasia: Optical Biopsy Using a Novel Autofluorescence Multispectral Imaging Technique. <i>Cancers</i> , 2022, 14, 1591.	1.7	7
136	A mobility shift assay for DNA detection using nanochannel gradient electrophoresis. <i>Electrophoresis</i> , 2017, 38, 335-341.	1.3	6
137	Non-invasive assessment of exfoliated kidney cells extracted from urine using multispectral autofluorescence features. <i>Scientific Reports</i> , 2021, 11, 10655.	1.6	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.	1.7	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.	1.6	5
140	Autofluorescence excitation-emission matrices as a quantitative tool for the assessment of meat quality. <i>Journal of Biophotonics</i> , 2020, 13, e201900237.	1.1	5
141	Amplified protein sensing using deep purple fluorophores on homogeneous Au substrates. <i>BioFactors</i> , 2007, 30, 249-253.	2.6	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.	1.5	4
143	Microfabricated needle for hydrogen peroxide detection. <i>RSC Advances</i> , 2019, 9, 18176-18181.	1.7	4
144	Rapid identification of microorganisms by intrinsic fluorescence. , 2005, 5699, 9.		3

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145	Growth-temperature-dependent cathodoluminescence properties of GaSb/GaAs quantum-dot multilayer structures. <i>Applied Physics Letters</i> , 2005, 86, 173113.	1.5	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.	0.5	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.	1.4	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.	1.2	2
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