Ken-Tye Yong

List of Publications by Year
in descending order

311	19,148	10979	14736
papers	citations	71 h-index	127 g-index

317	317	317	23983
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Progress in Skinâ€onâ€aâ€Chip Platforms. Advanced Therapeutics, 2022, 5, 2100138.	1.6	3
2	Learning from Nature: Constructing a Smart Bionic Structure for Highâ€Performance Glucose Sensing in Human Serums. Advanced Functional Materials, 2022, 32, .	7.8	24
3	Localized Surface Plasmon Resonance-Based Colorimetric Assay Featuring Thiol-Capped Au Nanoparticles Combined with a Mobile Application for On-Site Parathion Organophosphate Pesticide Detection. Langmuir, 2022, 38, 838-848.	1.6	6
4	A biocompatible photosensitizer with a high intersystem crossing efficiency for precise two-photon photodynamic therapy. Materials Horizons, 2022, 9, 1283-1292.	6.4	20
5	Synthetic Conjugated Oligoelectrolytes Are Effective siRNA Transfection Carriers: Relevance to Pancreatic Cancer Gene Therapy. Biomacromolecules, 2022, 23, 1259-1268.	2.6	7
6	Recent Advancements in the Fabrication of Functional Nanoporous Materials and Their Biomedical Applications. Materials, 2022, 15, 2111.	1.3	13
7	In-Depth Conceptual Study of an Enhanced Plasmonic Sensing System Using Antireflective Coatings and Perovskites for the Detection of Infectious Viral Antigens. ACS Applied Electronic Materials, 2022, 4, 1732-1740.	2.0	4
8	Role of microfluidics in accelerating new space missions. Biomicrofluidics, 2022, 16, 021503.	1.2	4
9	Water-stable Perovskite Quantum Dots-based FRET Nanosensor for the Detection of Rhodamine 6G in Water, Food, and Biological Samples. Microchemical Journal, 2022, 180, 107624.	2.3	13
10	A mitochondrion-targeting two-photon photosensitizer with aggregation-induced emission characteristics for hypoxia-tolerant photodynamic therapy. Chemical Engineering Journal, 2022, 448, 137604.	6.6	22
11	Development of SERS tags for human diseases screening and detection. Coordination Chemistry Reviews, 2022, 470, 214711.	9.5	22
12	PEGylated CuInS2/ZnS quantum dots inhibit neurite outgrowth by downregulating the NGF/p75NTR/MAPK pathway. Ecotoxicology and Environmental Safety, 2021, 207, 111378.	2.9	13
13	Sustainable wood-based nanotechnologies for photocatalytic degradation of organic contaminants in aquatic environment. Frontiers of Environmental Science and Engineering, 2021, 15, 1.	3.3	12
14	Recent progress in flexible nanocellulosic structures for wearable piezoresistive strain sensors. Journal of Materials Chemistry C, 2021, 9, 11001-11029.	2.7	26
15	Grapheneâ€Coated Gold Chips for Enhanced Goosâ€“Hanchen Shift Plasmonic Sensing. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000690.	0.8	3
16	Electrically Tunable Singular Phase and Goosâ€“HÃnchen Shifts in Phaseâ€Changeâ€Materialâ€Based Thinâ€Film Coatings as Optical Absorbers. Advanced Materials, 2021, 33, e2006926.	11.1	30
17	Electrically Tunable All-PCM Visible Plasmonics. Nano Letters, 2021, 21, 4044-4050.	4.5	21
18	Geometrically encoded SERS nanobarcodes for the logical detection of nasopharyngeal carcinoma-related progression biomarkers. Nature Communications, 2021, 12, 3430.	5.8	37

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19	Aggregationâ€Induced Emission Nanoprobes Working in the NIRâ€II Region: From Material Design to Fluorescence Imaging and Phototherapy. Advanced Optical Materials, 2021, 9, 2100859.	3.6	35
20	Plasmonic Gold Nanomaterials as Photoacoustic Signal Resonant Enhancers for Cysteine Detection. Nanomaterials, 2021, 11, 1887.	1.9	3
21	Low-voltage driven flexible organic thin-film transistor humidity sensors. Sensors and Actuators B: Chemical, 2021, 339, 129887.	4.0	24
22	Water-Stable All-Inorganic Perovskite Nanocrystals with Nonlinear Optical Properties for Targeted Multiphoton Bioimaging. ACS Applied Nano Materials, 2021, 4, 9022-9033.	2.4	29
23	Carbon Dioxide-Derived Biodegradable and Cationic Polycarbonates as a New siRNA Carrier for Gene Therapy in Pancreatic Cancer. Nanomaterials, 2021, 11, 2312.	1.9	17
24	Effective CNN-based Image Dehazing for UAV Deep Visual Odometry. Journal of Vision, 2021, 21, 2193.	0.1	2
25	Hybridized surface lattice modes in intercalated 3-disk plasmonic crystals for high figure-of-merit plasmonic sensing. Nanoscale, 2021, 13, 4092-4102.	2.8	9
26	Improving the Sensitivity of SPR Sensors with Auâ€“Ag alloys and 2D Materials â€“ a Simulationâ€Based Approach. Advanced Theory and Simulations, 2021, 4, 2100292.	1.3	4
27	Two-Dimensional MoS₂ Nanosheet-Functionalized Optical Microfiber for Room-Temperature Volatile Organic Compound Detection. ACS Applied Nano Materials, 2021, 4, 13440-13449.	2.4	10
28	Bioengineering applications of black phosphorus and their toxicity assessment. Environmental Science: Nano, 2021, 8, 3452-3477.	2.2	12
29	Recent advances of luminogens with aggregation-induced emission in multi-photon theranostics. Applied Physics Reviews, 2021, 8, .	5.5	12
30	Spaceâ€confined microwave synthesis of ternaryâ€layered BiOCl crystals with highâ€performance ultraviolet photodetection. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 593-600.	8.5	32
31	A theoretical insight into the use of anti-reflective coatings for the upliftment of sensitivity of surface plasmon resonance sensors. Optics Communications, 2020, 458, 124748.	1.0	11
32	Augmenting sensitivity of surface plasmon resonance (SPR) sensors with the aid of anti-reflective coatings (ARCs). Photonics and Nanostructures - Fundamentals and Applications, 2020, 38, 100760.	1.0	9
33	Resonance Modes of Tall Plasmonic Nanostructures and Their Applications for Biosensing. IEEE Journal of Quantum Electronics, 2020, 56, 1-7.	1.0	3
34	Gold Nanorod Assisted Enhanced Plasmonic Detection Scheme of COVIDâ€19 SARSâ€CoVâ€2 Spike Protein. Advanced Theory and Simulations, 2020, 3, 2000185.	1.3	55
35	Binary Organic Nanoparticles with Bright Aggregation-Induced Emission for Three-Photon Brain Vascular Imaging. Chemistry of Materials, 2020, 32, 6437-6443.	3.2	41
36	Microfluidic chip enabled one-step synthesis of biofunctionalized CuInS2/ZnS quantum dots. Lab on A Chip, 2020, 20, 3001-3010.	3.1	9

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37	A Comparative Performance Evaluation of 2D Nanomaterials for Applications in Plasmonic Biosensing. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000255.	0.8	4
38	Recent advances in solar-driven evaporation systems. Journal of Materials Chemistry A, 2020, 8, 25571-25600.	5.2	77
39	Thermodynamic perspectives on liquidâ€“liquid droplet reactors for biochemical applications. Chemical Society Reviews, 2020, 49, 6555-6567.	18.7	14
40	Phase-controllable growth of ultrathin 2D magnetic FeTe crystals. Nature Communications, 2020, 11, 3729.	5.8	120
41	Effect of ultra-shallow metallic gratings on sensitivity enhancement of Goos-HÃnchen shift in SPR-based sensors. Optik, 2020, 224, 165690.	1.4	6
42	Multifaceted Hybrid Carbon Fibers: Applications in Renewables, Sensing and Tissue Engineering. Journal of Composites Science, 2020, 4, 117.	1.4	4
43	Heterolayered Films of Monolayer WS₂ Nanosheets on Monolayer Graphene Embedded in Poly(methyl methacrylate) for Plasmonic Biosensing. ACS Applied Nano Materials, 2020, 3, 10446-10453.	2.4	10
44	Cigarette smoke-induced malignant transformation via STAT3 signalling in pulmonary epithelial cells in a lung-on-a-chip model. Bio-Design and Manufacturing, 2020, 3, 383-395.	3.9	18
45	Plasmonic-based sensitivity enhancement of a Goosâ€“HÃnchen shift biosensor using transition metal dichalcogenides: a theoretical insight. New Journal of Chemistry, 2020, 44, 16144-16151.	1.4	6
46	Stimuli-responsive functional materials for soft robotics. Journal of Materials Chemistry B, 2020, 8, 8972-8991.	2.9	118
47	A First Study of the Kinetics of Metal Ion Adsorption at Solid/Liquid Interface using Evanescent Wave-based Optical Microfiber. IEEE Sensors Journal, 2020, , 1-1.	2.4	2
48	Biodistribution and acute toxicity of cadmium-free quantum dots with different surface functional groups in mice following intratracheal inhalation. Nanotheranostics, 2020, 4, 173-183.	2.7	24
49	Two-dimensional PtSe2 Theoretically Enhanced Goos-HÃnchen Shift Sensitive Plasmonic Biosensors. Plasmonics, 2020, 15, 1815-1826.	1.8	26
50	Investigation of Plasmonic Detection of Human Respiratory Virus. Advanced Theory and Simulations, 2020, 3, 2000074.	1.3	22
51	Biocompatible Mesoporous Hollow Carbon Nanocapsules for High Performance Supercapacitors. Scientific Reports, 2020, 10, 4306.	1.6	17
52	Advanced lowâ€dimensional carbon materials for flexible devices. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 698-714.	8.5	59
53	Hybrid Transverseâ€“Longitudinal Modes for High Figureâ€ofâ€Merit Localized Plasmonic Refractometric Sensing in the Visible Spectrum. Advanced Optical Materials, 2020, 8, 1901739.	3.6	6
54	Carbon Allotrope-Based Optical Fibers for Environmental and Biological Sensing: A Review. Sensors, 2020, 20, 2046.	2.1	21

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55	A sheathless inertial focusing technique for optofluidic devices. Microfluidics and Nanofluidics, 2019, 23, 1.	1.0	5
56	Nanowire-array-based gene electro-transfection system driven by human-motion operated triboelectric nanogenerator. Nano Energy, 2019, 64, 103901.	8.2	33
57	Carbon Dot-functionalized Interferometric Optical Fiber Sensor for Detection of Ferric Ions in Biological Samples. ACS Applied Materials & Interfaces, 2019, 11, 28546-28553.	4.0	59
58	In vitro anticancer activity of AIEgens. Biomaterials Science, 2019, 7, 3855-3865.	2.6	10
59	Nanocarbons for Biology and Medicine: Sensing, Imaging, and Drug Delivery. Chemical Reviews, 2019, 119, 9559-9656.	23.0	368
60	The Codelivery of siRNA and QDs by pH-Responsive Micelle for Hepatoma Cancer Cells. Frontiers in Pharmacology, 2019, 10, 1194.	1.6	9
61	Recent advances in copper sulphide-based nanoheterostructures. Chemical Society Reviews, 2019, 48, 4950-4965.	18.7	85
62	Upconversion and downconversion nanoparticles for biophotonics and nanomedicine. Coordination Chemistry Reviews, 2019, 400, 213042.	9.5	100
63	Comparing Semiconductor Nanocrystal Toxicity in Pregnant Mice and Non-Human Primates. Nanotheranostics, 2019, 3, 54-65.	2.7	15
64	Self-powered, on-demand transdermal drug delivery system driven by triboelectric nanogenerator. Nano Energy, 2019, 62, 610-619.	8.2	99
65	AIE Featured Inorganicâ€“Organic Core@Shell Nanoparticles for High-Efficiency siRNA Delivery and Real-Time Monitoring. Nano Letters, 2019, 19, 2272-2279.	4.5	58
66	Biodegradable Polymers as a Noncoding miRNA Nanocarrier for Multiple Targeting Therapy of Human Hepatocellular Carcinoma. Advanced Healthcare Materials, 2019, 8, e1801318.	3.9	24
67	Tunable hybridization induced transparency for efficient terahertz sensing. Optics Express, 2019, 27, 9032.	1.7	10
68	Phaseâ€Changeâ€Materialâ€Based Lowâ€Loss Visibleâ€Frequency Hyperbolic Metamaterials for Ultrasensitive Labelâ€Free Biosensing. Advanced Optical Materials, 2019, 7, 1900081.	3.6	74
69	A facile synthesis of label-free carbon dots with unique selectivity-tunable characteristics for ferric ion detection and cellular imaging applications. New Journal of Chemistry, 2019, 43, 4734-4744.	1.4	47
70	Factors Influencing Metal Binding Efficiency at Solid/Liquid Interface: An Investigation for the Prediction of Heavy Metal Ion Sensing Performance. , 2019, , .		1
71	Biophotonic Imaging and Sensing. , 2019, , .		0
72	Solid State Carbon Dots-Based Sensor Using Optical Microfiber for Ferric Ion Detection. , 2019, , .		3

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73	Biodegradable Polymer-Coated Multifunctional Graphene Quantum Dots for Light-Triggered Synergetic Therapy of Pancreatic Cancer. ACS Applied Materials & Interfaces, 2019, 11, 2768-2781.	4.0	58
74	Strong Coupling in Microcavity Structures: Principle, Design, and Practical Application. Laser and Photonics Reviews, 2019, 13, 1800219.	4.4	45
75	Advanced Nearâ€Infrared Lightâ€Responsive Nanomaterials as Therapeutic Platforms for Cancer Therapy. Advanced Therapeutics, 2019, 2, 1800090.	1.6	27
76	Nanogenerators for wearable bioelectronics and biodevices. Journal Physics D: Applied Physics, 2019, 52, 023002.	1.3	37
77	Sensitivity enhancement of Goos-HÃnchen shift modulation based plasmonic biosensing. , 2019, , .		3
78	Reversible and Fast Responsive Optical Fiber Relative Humidity Sensor Based on Polyelectrolyte Self-Assembly Multilayer Film. IEEE Sensors Journal, 2018, 18, 1081-1086.	2.4	16
79	Giant enhancement in Goos-HÃnchen shift at the singular phase of a nanophotonic cavity. Applied Physics Letters, 2018, 112, .	1.5	29
80	NIRâ€responsive nanomaterials and their applications; upconversion nanoparticles and carbon dots: a perspective. Journal of Chemical Technology and Biotechnology, 2018, 93, 1519-1528.	1.6	37
81	Highly anisotropic black phosphorous-graphene hybrid architecture for ultrassensitive plasmonic biosensing: Theoretical insight. 2D Materials, 2018, 5, 025015.	2.0	61
82	Strategies to Overcome the Limitations of AIEgens in Biomedical Applications. Small Methods, 2018, 2, 1700392.	4.6	37
83	Grapheneâ€“bimetal plasmonic platform for ultra-sensitive biosensing. Optics Communications, 2018, 410, 817-823.	1.0	20
84	An Advanced Hand-Held Microfiber-Based Sensor for Ultrasensitive Lead Ion Detection. ACS Sensors, 2018, 3, 2506-2512.	4.0	51
85	A Method to Process Hollow-Core Anti-Resonant Fibers into Fiber Filters. Fibers, 2018, 6, 89.	1.8	20
86	Functionalized MoS₂ Nanosheets as Multi-Gene Delivery Vehicles for In Vivo Pancreatic Cancer Therapy. Nanotheranostics, 2018, 2, 371-386.	2.7	37
87	Large-Area Silverâ€“Stibnite Nanoporous Plasmonic Films for Label-Free Biosensing. ACS Applied Materials & Interfaces, 2018, 10, 34991-34999.	4.0	24
88	Biogreen Synthesis of Carbon Dots for Biotechnology and Nanomedicine Applications. Nano-Micro Letters, 2018, 10, 72.	14.4	133
89	Sheath-assisted hydrodynamic particle focusing in higher Reynolds number flows. Journal of Micromechanics and Microengineering, 2018, 28, 105018.	1.5	8
90	Non-viral gene therapy using multifunctional nanoparticles: Status, challenges, and opportunities. Coordination Chemistry Reviews, 2018, 374, 133-152.	9.5	67

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91	Functionalized Fiber End Superstructure Fiber Bragg Grating Refractive Index Sensor for Heavy Metal Ion Detection. Sensors, 2018, 18, 1821.	2.1	18
92	Recent development of fiber-optic chemical sensors and biosensors: Mechanisms, materials, micro/nano-fabrications and applications. Coordination Chemistry Reviews, 2018, 376, 348-392.	9.5	179
93	A Selfâ€Powered Implantable Drugâ€Delivery System Using Biokinetic Energy. Advanced Materials, 2017, 29, 1605668.	11.1	122
94	SERS-based ultrasensitive sensing platform: An insight into design and practical applications. Coordination Chemistry Reviews, 2017, 337, 1-33.	9.5	97
95	An optofluidic approach for gold nanoprobes based-cancer theranostics. , 2017, , .		0
96	Biodegradable nanoparticles as siRNA carriers for in vivo gene silencing and pancreatic cancer therapy. Journal of Materials Chemistry B, 2017, 5, 3327-3337.	2.9	23
97	Biodegradable nanocarriers for small interfering ribonucleic acid (siRNA) co-delivery strategy increase the chemosensitivity of pancreatic cancer cells to gemcitabine. Nano Research, 2017, 10, 3049-3067.	5.8	47
98	Dispersion measurement of optical fibers by phase retrieval from spectral interferometry. Journal of Optics (United Kingdom), 2017, 19, 055611.	1.0	6
99	Cadmium-Free Quantum Dots for Biophotonic Imaging and Sensing. , 2017, , 841-870.		2
100	Study of inertial hydrodynamic focusing in sheath-driven flows for lab-on-a-chip flow cytometry. Proceedings of SPIE, 2017, , .	0.8	1
101	Multifunctional Hyperbolic Nanogroove Metasurface for Submolecular Detection. Small, 2017, 13, 1700600.	5.2	46
102	Precise Twoâ€Photon Photodynamic Therapy using an Efficient Photosensitizer with Aggregationâ€Induced Emission Characteristics. Advanced Materials, 2017, 29, 1701076.	11.1	258
103	Two-Dimensional Transition Metal Dichalcogenide Enhanced Phase-Sensitive Plasmonic Biosensors: Theoretical Insight. Journal of Physical Chemistry C, 2017, 121, 6282-6289.	1.5	101
104	Optical trapping-assisted SERS platform for chemical and biosensing applications: Design perspectives. Coordination Chemistry Reviews, 2017, 339, 138-152.	9.5	58
105	MicroRNA Biosensing with Two-Dimensional Surface Plasmon Resonance Imaging. Methods in Molecular Biology, 2017, 1571, 117-127.	0.4	8
106	Hybrid Graphene/Gold Plasmonic Fiberâ€Optic Biosensor. Advanced Materials Technologies, 2017, 2, 1600185.	3.0	58
107	Grapheneâ€TMDCâ€Graphene Hybrid Plasmonic Metasurface for Enhanced Biosensing: A Theoretical Analysis. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700563.	0.8	13
108	Novel Magneticâ€Luminescent Janus Nanoparticles for Cell Labeling and Tumor Photothermal Therapy. Small, 2017, 13, 1701129.	5.2	40

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109	An Aptamer Bio-barCode (ABC) assay using SPR, RNase H, and probes with RNA and gold-nanorods for anti-cancer drug screening. Analyst, The, 2017, 142, 3579-3587.	1.7	16
110	Functionalized gold nanorods for nanomedicine: Past, present and future. Coordination Chemistry Reviews, 2017, 352, 15-66.	9.5	65
111	Functionalized 2D nanomaterials for gene delivery applications. Coordination Chemistry Reviews, 2017, 347, 77-97.	9.5	73
112	Millifluidic synthesis of cadmium sulfide nanoparticles and their application in bioimaging. RSC Advances, 2017, 7, 36819-36832.	1.7	22
113	Ultra-small v-shaped gold split ring resonators for biosensing using fundamental magnetic resonance in the visible spectrum. Nanotechnology, 2017, 28, 405305.	1.3	11
114	Self-adaptive Bioinspired Hummingbird-wing Stimulated Triboelectric Nanogenerators. Scientific Reports, 2017, 7, 17143.	1.6	32
115	Function of second cladding layer in hollow core tube lattice fibers. Scientific Reports, 2017, 7, 1618.	1.6	22
116	Pressure-driven particle focusing in lab-on-a-chip flow cytometers: The choice between sheath-assisted and inertial focusing. , 2017, , .		0
117	Quantum Dots-siRNA Nanoplexes for Gene Silencing in Central Nervous System Tumor Cells. Frontiers in Pharmacology, 2017, 8, 182.	1.6	39
118	SiRNA Delivery with PEGylated Graphene Oxide Nanosheets for Combined Photothermal and Genetherapy for Pancreatic Cancer. Theranostics, 2017, 7, 1133-1148.	4.6	165
119	The biocompatibility studies of polymer dots on pregnant mice and fetuses. Nanotheranostics, 2017, 1, 261-271.	2.7	8
120	Effects of Cd-based Quantum Dot Exposure on the Reproduction and Offspring of Kunming Mice over Multiple Generations. Nanotheranostics, 2017, 1, 23-37.	2.7	20
121	Engineering Quantum Dots with Different Emission Wavelengths and Specific Fluorescence Lifetimes for Spectrally and Temporally Multiplexed Imaging of Cells. Nanotheranostics, 2017, 1, 131-140.	2.7	15
122	Monolayer WS2 Enhanced High Sensitivity Plasmonic Biosensor based on Phase Modulation. , 2017, , .		2
123	SPR Biosensors. , 2017, , 123-145.		4
124	Miniaturized Fluidic Devices and Their Biophotonic Applications. , 2017, , 893-939.		0
125	Nearâ€infrared fluorescent peptide probes for imaging of tumor in vivo and their biotoxicity evaluation. Journal of Biomedical Materials Research - Part A, 2016, 104, 910-916.	2.1	18
126	Biodegradable charged polyester-based vectors (BCPVs) as an efficient non-viral transfection nanoagent for gene knockdown of the BCRâ€“ABL hybrid oncogene in a human chronic myeloid leukemia cell line. Nanoscale, 2016, 8, 9405-9416.	2.8	23

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127	Synthesis and Characterization of Mn:ZnSe/ZnS/ZnMnS Sandwiched QDs for Multimodal Imaging and Theranostic Applications. Small, 2016, 12, 534-546.	5.2	33
128	Manganese-doped near-infrared emitting nanocrystals for in vivo biomedical imaging. Optics Express, 2016, 24, 17553.	1.7	10
129	Resonance Raman Probes for Organelle-Specific Labeling in Live Cells. Scientific Reports, 2016, 6, 28483.	1.6	33
130	The application of mesoporous silica nanoparticle family in cancer theranostics. Coordination Chemistry Reviews, 2016, 319, 86-109.	9.5	132
131	Sensitivity Enhancement of MoS2 Nanosheet based Surface Plasmon Resonance Biosensor. Procedia Engineering, 2016, 140, 134-139.	1.2	63
132	Toxicity assessment and long-term three-photon fluorescence imaging of bright aggregation-induced emission nanodots in zebrafish. Nano Research, 2016, 9, 1921-1933.	5.8	26
133	Bessel beam superposition based on annular reflections. Optik, 2016, 127, 10158-10162.	1.4	2
134	New Generation Cadmium-Free Quantum Dots for Biophotonics and Nanomedicine. Chemical Reviews, 2016, 116, 12234-12327.	23.0	482
135	Hollow core anti-resonant fiber with split cladding. Optics Express, 2016, 24, 7670.	1.7	41
136	The Reproductive Toxicity of CdSe/ZnS Quantum Dots on the in vivo Ovarian Function and in vitro Fertilization. Scientific Reports, 2016, 6, 37677.	1.6	47
137	In-situ second harmonic generation by cancer cell targeting ZnO nanocrystals to effect photodynamic action in subcellular space. Biomaterials, 2016, 104, 78-86.	5.7	25
138	Molecular nonlinear optics: recent advances and applications. Advances in Optics and Photonics, 2016, 8, 328.	12.1	100
139	Sensitivity Enhancement of Transition Metal Dichalcogenides/Silicon Nanostructure-based Surface Plasmon Resonance Biosensor. Scientific Reports, 2016, 6, 28190.	1.6	299
140	Microstructured Inline Optical Fiber Structure for Dispersion Control and Coherent Supercontinuum Generation. IEEE Photonics Journal, 2016, 8, 1-9.	1.0	2
141	Detection of low-concentration heavy metal ions using optical microfiber sensor. Sensors and Actuators B: Chemical, 2016, 237, 142-149.	4.0	59
142	Immunotoxicity assessment of CdSe/ZnS quantum dots in macrophages, lymphocytes and BALB/c mice. Journal of Nanobiotechnology, 2016, 14, 10.	4.2	67
143	Rapid SERS monitoring of lipidâ€peroxidationâ€derived protein modifications in cells using photonic crystal fiber sensor. Journal of Biophotonics, 2016, 9, 32-37.	1.1	21
144	Hollow core anti-resonant fibres with split cladding. Proceedings of SPIE, 2016, , .	0.8	1

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145	The non-aqueous synthesis of shape controllable Cu_{2â^'x}S plasmonic nanostructures in a continuous-flow millifluidic chip for the generation of photo-induced heating. Nanoscale, 2016, 8, 6609-6622.	2.8	24
146	Graphene Enhanced Surface Plasmon Resonance Fiber-Optic Biosensor. , 2016, , .		8
147	Miniaturized Fluidic Devices and Their Biophotonic Applications. , 2016, , 1-47.		2
148	Highly coherent supercontinuum generation in an inline silica optical fiber structure. , 2016, , .		0
149	In Vitro evaluation and monitoring of the expression level and localization of aldose reductase using functionalized quantum dots and EGFP. Biotechnology and Bioprocess Engineering, 2015, 20, 800-806.	1.4	1
150	Grapheneâ€"Gold Metasurface Architectures for Ultrasensitive Plasmonic Biosensing. Advanced Materials, 2015, 27, 6163-6169.	11.1	262
151	A Light-Driven Therapy of Pancreatic Adenocarcinoma Using Gold Nanorods-Based Nanocarriers for Co-Delivery of Doxorubicin and siRNA. Theranostics, 2015, 5, 818-833.	4.6	103
152	Synthesis and characterization of multifunctional hybrid-polymeric nanoparticles for drug delivery and multimodal imaging of cancer. International Journal of Nanomedicine, 2015, 10, 5771.	3.3	10
153	Dual-color immunofluorescent labeling with quantum dots of the diabetes-associated proteins aldose reductase and Toll-like receptor 4 in the kidneys of diabetic rats. International Journal of Nanomedicine, 2015, 10, 3651.	3.3	6
154	Trapping and assembling of particles and live cells on large-scale random gold nano-island substrates. Scientific Reports, 2015, 5, 9978.	1.6	68
155	Dark-field imaging tracking of BSA stabilized gold nanorods in macrophage. , 2015, , .		0
156	Gold over Branched Palladium Nanostructures for Photothermal Cancer Therapy. ACS Nano, 2015, 9, 12283-12291.	7.3	102
157	In vivo toxicity assessment of non-cadmium quantum dots in BALB/c mice. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 341-350.	1.7	83
158	Aggregation-induced emission (AIE) dye loaded polymer nanoparticles for gene silencing in pancreatic cancer and their in vitro and in vivo biocompatibility evaluation. Nano Research, 2015, 8, 1563-1576.	5.8	38
159	An in-vivo evaluation of a MEMS drug delivery device using Kunming mice model. Biomedical Microdevices, 2015, 17, 6.	1.4	10
160	Cytotoxicity assessment of functionalized CdSe, CdTe and InP quantum dots in two human cancer cell models. Materials Science and Engineering C, 2015, 57, 222-231.	3.8	86
161	Passive tumor targeting and imaging by using mercaptosuccinic acid-coated near-infrared quantum dots. International Journal of Nanomedicine, 2015, 10, 335.	3.3	24
162	Folic acid-conjugated organically modified silica nanoparticles for enhanced targeted delivery in cancer cells and tumor in vivo. Journal of Materials Chemistry B, 2015, 3, 6081-6093.	2.9	33

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163	Assembling Mn:ZnSe quantum dots-siRNA nanoplexes for gene silencing in tumor cells. Biomaterials Science, 2015, 3, 192-202.	2.6	30
164	Biodegradable nanoparticle-mediated K-ras down regulation for pancreatic cancer gene therapy. Journal of Materials Chemistry B, 2015, 3, 2163-2172.	2.9	31
165	Lasing in nanocomposite random media. Nano Today, 2015, 10, 168-192.	6.2	239
166	Sensitive surface enhanced Raman scattering multiplexed detection of matrix metalloproteinase 2 and 7 cancer markers. Biomedical Optics Express, 2015, 6, 2076.	1.5	35
167	Standalone Lab-on-a-Chip Systems toward the Evaluation of Therapeutic Biomaterials in Individualized Disease Treatment. ACS Biomaterials Science and Engineering, 2015, 1, 1055-1066.	2.6	6
168	RNAi-based therapeutic nanostrategy: IL-8 gene silencing in pancreatic cancer cells using gold nanorods delivery vehicles. Nanotechnology, 2015, 26, 365101.	1.3	23
169	The composition effect on the optical properties of aqueous synthesized Cuâ€“Inâ€“S and Znâ€“Cuâ€“Inâ€“S quantum dot nanocrystals. Physical Chemistry Chemical Physics, 2015, 17, 25133-25141.	1.3	71
170	Grapheneâ€“MoS2 hybrid nanostructures enhanced surface plasmon resonance biosensors. Sensors and Actuators B: Chemical, 2015, 207, 801-810.	4.0	385
171	Highly sensitive SERS detection and quantification of sialic acid on single cell using photonic-crystal fiber with gold nanoparticles. Biosensors and Bioelectronics, 2015, 64, 227-233.	5.3	71
172	Engineering Implantable Microfluidic Drug Delivery Device for Individualized Cancer Chemotherapy. , 2015, , .		1
173	SPR Biosensors. , 2015, , 1-19.		1
174	Cadmium-Free Quantum Dots for Biophotonic Imaging and Sensing. , 2014, , 1-27.		2
175	Ormosil nanoparticles as a sustained-release drug delivery vehicle. RSC Advances, 2014, 4, 53498-53504.	1.7	30
176	Nanomaterials enhanced surface plasmon resonance for biological and chemical sensing applications. Chemical Society Reviews, 2014, 43, 3426.	18.7	990
177	Cytotoxicity and immune response of CdSe/ZnS Quantum dots towards a murine macrophage cell line. RSC Advances, 2014, 4, 5792.	1.7	13
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