

Wing Cheung Law

List of Publications by Year in descending order

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147
papers

8,979
citations

31976

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43889

91
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150
all docs

150
docs citations

150
times ranked

12715
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanotoxicity assessment of quantum dots: from cellular to primate studies. <i>Chemical Society Reviews</i> , 2013, 42, 1236-1250.	38.1	406
2	Core/Shell NaGdF ₄ :Nd ³⁺ /NaGdF ₄ Nanocrystals with Efficient Near-Infrared to Near-Infrared Downconversion Photoluminescence for Bioimaging Applications. <i>ACS Nano</i> , 2012, 6, 2969-2977.	14.6	403
3	A pilot study in non-human primates shows no adverse response to intravenous injection of quantum dots. <i>Nature Nanotechnology</i> , 2012, 7, 453-458.	31.5	397
4	<i>In Vivo</i> Targeted Cancer Imaging, Sentinel Lymph Node Mapping and Multi-Channel Imaging with Biocompatible Silicon Nanocrystals. <i>ACS Nano</i> , 2011, 5, 413-423.	14.6	378
5	Imaging Pancreatic Cancer Using Bioconjugated InP Quantum Dots. <i>ACS Nano</i> , 2009, 3, 502-510.	14.6	322
6	Highly sensitive differential phase-sensitive surface plasmon resonance biosensor based on the Mach-Zehnder configuration. <i>Optics Letters</i> , 2004, 29, 2378.	3.3	274
7	Size-Controlled Synthesis of Cu ₂ xE (E = S, Se) Nanocrystals with Strong Tunable Near-Infrared Localized Surface Plasmon Resonance and High Conductivity in Thin Films. <i>Advanced Functional Materials</i> , 2013, 23, 1256-1264.	14.9	257
8	Sensitivity Improved Surface Plasmon Resonance Biosensor for Cancer Biomarker Detection Based on Plasmonic Enhancement. <i>ACS Nano</i> , 2011, 5, 4858-4864.	14.6	242
9	Biocompatible Magnetofluorescent Probes: Luminescent Silicon Quantum Dots Coupled with Superparamagnetic Iron(III) Oxide. <i>ACS Nano</i> , 2010, 4, 5131-5138.	14.6	228
10	Gold Nanorods Coated with Multilayer Polyelectrolyte as Contrast Agents for Multimodal Imaging. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12552-12557.	3.1	206
11	Au-Cu ₂ Se Heterodimer Nanoparticles with Broad Localized Surface Plasmon Resonance as Contrast Agents for Deep Tissue Imaging. <i>Nano Letters</i> , 2013, 13, 4333-4339.	9.1	176
12	Aqueous-Phase Synthesis of Highly Luminescent CdTe/ZnTe Core/Shell Quantum Dots Optimized for Targeted Bioimaging. <i>Small</i> , 2009, 5, 1302-1310.	10.0	174
13	Monodisperse NaYbF ₄ :Tm ³⁺ /NaGdF ₄ core/shell nanocrystals with near-infrared to near-infrared upconversion photoluminescence and magnetic resonance properties. <i>Nanoscale</i> , 2011, 3, 2003.	5.6	170
14	Size dependence of Au NP-enhanced surface plasmon resonance based on differential phase measurement. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1128-1133.	7.8	157
15	Biomolecular Recognition Principles for Bionanocombinatorics: An Integrated Approach To Elucidate Enthalpic and Entropic Factors. <i>ACS Nano</i> , 2013, 7, 9632-9646.	14.6	142
16	A new strategy for designing high-performance sulfonated poly(ether ether ketone) polymer electrolyte membranes using inorganic proton conductor-functionalized carbon nanotubes. <i>Journal of Power Sources</i> , 2016, 325, 453-464.	7.8	124
17	Electroactive shape memory polymer based on optimized multi-walled carbon nanotubes/polyvinyl alcohol nanocomposites. <i>Composites Part B: Engineering</i> , 2015, 68, 170-175.	12.0	122
18	Optically and Magnetically Doped Organically Modified Silica Nanoparticles as Efficient Magnetically Guided Biomarkers for Two-Photon Imaging of Live Cancer Cells. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7972-7977.	3.1	120

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19	Poly(lactide- <i>g</i> -doxorubicin Nanoparticles with Precisely Controlled Drug Loading for pH-Triggered Drug Delivery. <i>Biomacromolecules</i> , 2014, 15, 524-532.	5.4	120
20	Anti-HIV-1 nanotherapeutics: promises and challenges for the future. <i>International Journal of Nanomedicine</i> , 2012, 7, 5301.	6.7	118
21	Biodegradable Polymers for Gene-Delivery Applications. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2131-2150.	6.7	109
22	Well-Defined Degradable Brush Polymer-Drug Conjugates for Sustained Delivery of Paclitaxel. <i>Molecular Pharmaceutics</i> , 2013, 10, 867-874.	4.6	108
23	Preparation of Quantum Dot/Drug Nanoparticle Formulations for Traceable Targeted Delivery and Therapy. <i>Theranostics</i> , 2012, 2, 681-694.	10.0	106
24	Functional Poly(lactide- <i>g</i> -Poly(ethylene glycol)-Paclitaxel-Poly(ethylene glycol) by Azide-Alkyne Click Chemistry. <i>Macromolecules</i> , 2011, 44, 4793-4800.	4.8	104
25	Phase-sensitive time-modulated surface plasmon resonance polarimetry for wide dynamic range biosensing. <i>Optics Express</i> , 2007, 15, 1745.	3.4	101
26	Biodegradable cationic polymeric nanocapsules for overcoming multidrug resistance and enabling drug-gene co-delivery to cancer cells. <i>Nanoscale</i> , 2014, 6, 1567-1572.	5.6	101
27	Floating, highly efficient, and scalable graphene membranes for seawater desalination using solar energy. <i>Green Chemistry</i> , 2018, 20, 3689-3695.	9.0	98
28	Bioconjugation of Luminescent Silicon Quantum Dots for Selective Uptake by Cancer Cells. <i>Bioconjugate Chemistry</i> , 2011, 22, 1081-1088.	3.6	95
29	Cu ₂ Se Nanocrystals with Localized Surface Plasmon Resonance as Sensitive Contrast Agents for In Vivo Photoacoustic Imaging: Demonstration of Sentinel Lymph Node Mapping. <i>Advanced Healthcare Materials</i> , 2013, 2, 952-957.	7.6	92
30	Doxorubicin-conjugated quantum dots to target alveolar macrophages and inflammation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 88-96.	3.3	91
31	Enhancing the Heat Transfer Efficiency in Graphene-Epoxy Nanocomposites Using a Magnesium Oxide-Graphene Hybrid Structure. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14397-14403.	8.0	88
32	Bioconjugation of luminescent silicon quantum dots to gadolinium ions for bioimaging applications. <i>Nanoscale</i> , 2012, 4, 5483.	5.6	87
33	Cytotoxicity assessment of functionalized CdSe, CdTe and InP quantum dots in two human cancer cell models. <i>Materials Science and Engineering C</i> , 2015, 57, 222-231.	7.3	86
34	Flexible, stretchable and conductive PVA/PEDOT:PSS composite hydrogels prepared by SIPN strategy. <i>Polymer Testing</i> , 2020, 81, 106213.	4.8	86
35	A degradable brush polymer-drug conjugate for pH-responsive release of doxorubicin. <i>Polymer Chemistry</i> , 2015, 6, 953-961.	3.9	85
36	Nanoparticle enhanced surface plasmon resonance biosensing: Application of gold nanorods. <i>Optics Express</i> , 2009, 17, 19041.	3.4	82

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37	Recent advances in solar-driven evaporation systems. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25571-25600.	10.3	77
38	Well-defined Degradable Cationic Polylactide as Nanocarrier for the Delivery of siRNA to Silence Angiogenesis in Prostate Cancer. <i>Advanced Healthcare Materials</i> , 2012, 1, 751-761.	7.6	72
39	Multimodal nanoparticles that provide immunomodulation and intracellular drug delivery for infectious diseases. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 831-838.	3.3	68
40	PEGylated Phospholipid Micelle-Encapsulated Near-Infrared PbS Quantum Dots for in vitro and in vivo Bioimaging. <i>Theranostics</i> , 2012, 2, 723-733.	10.0	66
41	Bioconjugated Pluronic Triblock-Copolymer Micelle-Encapsulated Quantum Dots for Targeted Imaging of Cancer: In Vitro and In Vivo Studies. <i>Theranostics</i> , 2012, 2, 705-713.	10.0	65
42	Wearable Fluid Capture Devices for Electrochemical Sensing of Sweat. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 238-243.	8.0	65
43	Optimizing the synthesis of red- and near-infrared CuInS ₂ and AgInS ₂ semiconductor nanocrystals for bioimaging. <i>Analyst</i> , 2013, 138, 6144.	3.5	63
44	3D printed graphene/nickel electrodes for high areal capacitance electrochemical storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4055-4062.	10.3	63
45	Non-invasive tumor detection in small animals using novel functional Pluronic nanomicelles conjugated with anti-mesothelin antibody. <i>Nanoscale</i> , 2011, 3, 1813.	5.6	62
46	Functionalized near-infrared quantum dots for in vivo tumor vasculature imaging. <i>Nanotechnology</i> , 2010, 21, 145105.	2.6	60
47	Rapid microwave sintering of carbon nanotube-filled AZ61 magnesium alloy composites. <i>Composites Part B: Engineering</i> , 2016, 93, 302-309.	12.0	60
48	Aqueous phase synthesis of CdTe quantum dots for biophotonics. <i>Journal of Biophotonics</i> , 2011, 4, 9-20.	2.3	59
49	Fluorescence Imaging of the Lymph Node Uptake of Proteins in Mice after Subcutaneous Injection: Molecular Weight Dependence. <i>Pharmaceutical Research</i> , 2012, 29, 1843-1853.	3.5	58
50	Wide dynamic range phase-sensitive surface plasmon resonance biosensor based on measuring the modulation harmonics. <i>Biosensors and Bioelectronics</i> , 2007, 23, 627-632.	10.1	57
51	Synthesis of cRGD-peptide conjugated near-infrared CdTe/ZnSe core-shell quantum dots for in vivo cancer targeting and imaging. <i>Chemical Communications</i> , 2010, 46, 7136.	4.1	57
52	Bioconjugated PLGA-4-arm-PEG branched polymeric nanoparticles as novel tumor targeting carriers. <i>Nanotechnology</i> , 2011, 22, 165101.	2.6	56
53	Phase-sensitive surface plasmon resonance biosensor using the photoelastic modulation technique. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 80-84.	7.8	54
54	Nanoparticle-Mediated Targeted Delivery of Antiretrovirals to the Brain. <i>Methods in Enzymology</i> , 2012, 509, 41-60.	1.0	53

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55	Synthesis of near-infrared silver-indium-sulfide (AgInS ₂) quantum dots as heavy-metal free photosensitizer for solar cell applications. <i>Chemical Physics Letters</i> , 2011, 515, 254-257.	2.6	51
56	Synthesis of pH-Responsive Chitosan Nanocapsules for the Controlled Delivery of Doxorubicin. <i>Langmuir</i> , 2014, 30, 4111-4119.	3.5	48
57	Development of Direct-Laser-Printable Light-Powered Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19541-19553.	8.0	48
58	Well-defined diblock brush polymer-drug conjugates for sustained delivery of paclitaxel. <i>Biomaterials Science</i> , 2015, 3, 1078-1084.	5.4	44
59	Microstructure and compressive properties of silicon carbide reinforced geopolymer. <i>Composites Part B: Engineering</i> , 2016, 105, 93-100.	12.0	42
60	Two-dimensional biosensor arrays based on surface plasmon resonance phase imaging. <i>Applied Optics</i> , 2007, 46, 2325.	2.1	40
61	Deep-Brain Three-Photon Imaging Enabled by Aggregation-Induced Emission Luminogens with Near-Infrared-III Excitation. <i>ACS Nano</i> , 2022, 16, 6712-6724.	14.6	40
62	Real-time optical biosensor based on differential phase measurement of surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2177-2180.	10.1	39
63	Multimodal imaging probes based on Gd-DOTA conjugated quantum dot nanomicelles. <i>Analyst</i> , 2011, 136, 1881.	3.5	38
64	Preparation, optical and thermal properties of CdSe/ZnS/poly(lactic acid) (PLA) nanocomposites. <i>Composites Part B: Engineering</i> , 2014, 66, 494-499.	12.0	38
65	Aggregation-induced emission (AIE) dye loaded polymer nanoparticles for gene silencing in pancreatic cancer and their in vitro and in vivo biocompatibility evaluation. <i>Nano Research</i> , 2015, 8, 1563-1576.	10.4	38
66	Investigating the crystallization behavior of poly(lactic acid) using CdSe/ZnS quantum dots as heterogeneous nucleating agents. <i>Composites Part B: Engineering</i> , 2016, 91, 103-110.	12.0	38
67	Nanoparticle Based Galectin-1 Gene Silencing, Implications in Methamphetamine Regulation of HIV-1 Infection in Monocyte Derived Macrophages. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 673-685.	4.1	36
68	Aggregation-Induced Emission Nanoprobes Working in the NIR Region: From Material Design to Fluorescence Imaging and Phototherapy. <i>Advanced Optical Materials</i> , 2021, 9, 2100859.	7.3	35
69	Gold nanorod-sphingosine kinase siRNA nanocomplexes: a novel therapeutic tool for potent radiosensitization of head and neck cancer. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 132-141.	1.3	34
70	Biodegradable Nanocapsules as siRNA Carriers for Mutant K-Ras Gene Silencing of Human Pancreatic Carcinoma Cells. <i>Small</i> , 2013, 9, 2757-2763.	10.0	34
71	Morphine and Galectin-1 Modulate HIV-1 Infection of Human Monocyte-Derived Macrophages. <i>Journal of Immunology</i> , 2012, 188, 3757-3765.	0.8	33
72	Microwave assisted-in situ synthesis of porous titanium/calcium phosphate composites and their in vitro apatite-forming capability. <i>Composites Part B: Engineering</i> , 2015, 83, 50-57.	12.0	32

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73	Metal organic framework-coated gold nanorod as an on-demand drug delivery platform for chemo-photothermal cancer therapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 219.	9.1	32
74	Biodegradable nanoparticle-mediated K-ras down regulation for pancreatic cancer gene therapy. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2163-2172.	5.8	31
75	Shape memory effect of thermal-responsive nano-hydroxyapatite reinforced poly-d-l-lactide composites with porous structure. <i>Composites Part B: Engineering</i> , 2016, 107, 67-74.	12.0	30
76	Enhancing the cell proliferation performance of NiTi substrate by laser diffusion nitriding. <i>Surface and Coatings Technology</i> , 2017, 309, 59-66.	4.8	29
77	Suppression of MMP-9 Expression in Brain Microvascular Endothelial Cells (BMVEC) Using a Gold Nanorod (GNR)-siRNA Nanoplex. <i>Immunological Investigations</i> , 2012, 41, 337-355.	2.0	27
78	The Invasion and Reproductive Toxicity of QDs-Transferrin Bioconjugates on Preantral Follicle <i>in vitro</i> . <i>Theranostics</i> , 2012, 2, 734-745.	10.0	27
79	Synthesis of Yolk-Shell Polymeric Nanocapsules Encapsulated with Monodispersed Upconversion Nanoparticle for Dual-Responsive Controlled Drug Release. <i>Macromolecules</i> , 2018, 51, 10074-10082.	4.8	27
80	Phospholipid micelle-based magneto-plasmonic nanoformulation for magnetic field-directed, imaging-guided photo-induced cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 1192-1202.	3.3	26
81	Synthesis of deformable hydrogel composites based on Janus bilayer multi-walled carbon nanotubes/host-guest complex structure. <i>Composites Part B: Engineering</i> , 2019, 164, 121-128.	12.0	26
82	The non-aqueous synthesis of shape controllable Cu ₂ S plasmonic nanostructures in a continuous-flow millifluidic chip for the generation of photo-induced heating. <i>Nanoscale</i> , 2016, 8, 6609-6622.	5.6	24
83	Printability of photo-sensitive nanocomposites using two-photon polymerization. <i>Nanotechnology Reviews</i> , 2020, 9, 418-426.	5.8	24
84	Organic/Inorganic Self-Assembled Hybrid Nano-Architectures for Cancer Therapy Applications. <i>Macromolecular Bioscience</i> , 2022, 22, e2100349.	4.1	24
85	Biodegradable charged polyester-based vectors (BCPVs) as an efficient non-viral transfection nanoagent for gene knockdown of the BCR-ABL hybrid oncogene in a human chronic myeloid leukemia cell line. <i>Nanoscale</i> , 2016, 8, 9405-9416.	5.6	23
86	Nonlinear optical absorption and stimulated Mie scattering in metallic nanoparticle suspensions. <i>Journal of Chemical Physics</i> , 2013, 138, 024202.	3.0	22
87	Millifluidic synthesis of cadmium sulfide nanoparticles and their application in bioimaging. <i>RSC Advances</i> , 2017, 7, 36819-36832.	3.6	22
88	Synthesis and characterisation of floatable magnesium alloy syntactic foams with hybridised cell morphology. <i>Materials and Design</i> , 2018, 160, 591-600.	7.0	22
89	Thermal and Photo Dual-Responsive Core-Shell Polymeric Nanocarriers with Encapsulation of Upconversion Nanoparticles for Controlled Anticancer Drug Release. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10658-10665.	3.1	22
90	Intensifying the Antimicrobial Activity of Poly[2-(tert-butylamino)ethyl Methacrylate]/Polylactide Composites by Tailoring Their Chemical and Physical Structures. <i>Molecular Pharmaceutics</i> , 2019, 16, 709-723.	4.6	22

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91	A mitochondrion-targeting two-photon photosensitizer with aggregation-induced emission characteristics for hypoxia-tolerant photodynamic therapy. <i>Chemical Engineering Journal</i> , 2022, 448, 137604.	12.7	22
92	Application of Gold Nanorods for Plasmonic and Magnetic Imaging of Cancer Cells. <i>Plasmonics</i> , 2011, 6, 105-112.	3.4	21
93	Exploring the amphiphilicity of PEGylated gold nanorods: mechanical phase transfer and self-assembly. <i>Chemical Communications</i> , 2013, 49, 9350.	4.1	21
94	Interleukin-8 gene silencing on pancreatic cancer cells using biodegradable polymer nanoplexes. <i>Biomaterials Science</i> , 2014, 2, 1007-1015.	5.4	21
95	Development of ionic liquid-based electroactive polymer composites using nanotechnology. <i>Nanotechnology Reviews</i> , 2021, 10, 99-116.	5.8	21
96	Effects of Cd-based Quantum Dot Exposure on the Reproduction and Offspring of Kunming Mice over Multiple Generations. <i>Nanotheranostics</i> , 2017, 1, 23-37.	5.2	20
97	Supramolecular ionic polymer/carbon nanotube composite hydrogels with enhanced electromechanical performance. <i>Nanotechnology Reviews</i> , 2020, 9, 478-488.	5.8	20
98	Nanotechnology of diamondoids for the fabrication of nanostructured systems. <i>Nanotechnology Reviews</i> , 2020, 9, 650-669.	5.8	20
99	A biocompatible photosensitizer with a high intersystem crossing efficiency for precise two-photon photodynamic therapy. <i>Materials Horizons</i> , 2022, 9, 1283-1292.	12.2	20
100	Fabrication of monodisperse drug-loaded poly(lactic-co-glycolic acid)@chitosan core-shell nanocomposites via pickering emulsion. <i>Composites Part B: Engineering</i> , 2017, 121, 99-107.	12.0	19
101	A vortex pump-based optically-transparent microfluidic platform for biotech and medical applications. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2007, 221, 129-141.	1.8	18
102	Gene Silencing of Human Neuronal Cells for Drug Addiction Therapy using Anisotropic Nanocrystals. <i>Theranostics</i> , 2012, 2, 695-704.	10.0	18
103	Near-infrared fluorescent peptide probes for imaging of tumor <i>in vivo</i> and their biotoxicity evaluation. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 910-916.	4.0	18
104	Enhancing silicon quantum dot uptake by pancreatic cancer cells via pluronic® encapsulation and antibody targeting. <i>Journal of Solid Tumors</i> , 2012, 2, .	0.1	17
105	Plasmonic Semiconductor Nanocrystals as Chemical Sensors: Pb ²⁺ Quantitation via Aggregation-Induced Plasmon Resonance Shift. <i>Plasmonics</i> , 2014, 9, 893-898.	3.4	16
106	Manipulating Nanoscale Interactions in a Polymer Nanocomposite for Chiral Control of Linear and Nonlinear Optical Functions. <i>Advanced Materials</i> , 2014, 26, 1607-1611.	21.0	16
107	Rational design of multimodal and multifunctional InP quantum dot nanoprobe for cancer: <i>in vitro</i> and <i>in vivo</i> applications. <i>RSC Advances</i> , 2013, 3, 8495.	3.6	15
108	Controlled Encapsulation and Release of Substances Based on Temperature and Photoresponsive Nanocapsules. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3039-3046.	3.1	15

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109	Processing and characterisation of carbon nanotube-reinforced magnesium alloy composite foams by rapid microwave sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 726, 82-92.	5.6	15
110	Aqueous Phase Synthesis of Cu ₂ S Nanostructures and Their Photothermal Generation Study. <i>ACS Omega</i> , 2019, 4, 14655-14662.	3.5	15
111	Photo- and pH-responsive drug delivery nanocomposite based on o-nitrobenzyl functionalized upconversion nanoparticles. <i>Polymer</i> , 2021, 229, 123961.	3.8	15
112	Toxicity assessment of phospholipid micelle-encapsulated cadmium-based quantum dots using Kunming mice. <i>RSC Advances</i> , 2013, 3, 1768-1773.	3.6	14
113	Nanotherapeutic Approach for Opiate Addiction Using DARPP-32 Gene Silencing in an Animal Model of Opiate Addiction. <i>Journal of NeuroImmune Pharmacology</i> , 2015, 10, 136-152.	4.1	14
114	Quantum dot-doped porous silicon metal-semiconductor metal photodetector. <i>Nanoscale Research Letters</i> , 2012, 7, 291.	5.7	13
115	Stimulated Mie scattering in nanocrystals suspension. <i>Applied Physics Letters</i> , 2012, 101, 011110.	3.3	13
116	Light-Induced Photoluminescence Switching Using Liquid Crystal-Dispersed Quantum Dots. <i>IEEE Photonics Journal</i> , 2012, 4, 19-25.	2.0	13
117	Optimizing the aqueous phase synthesis of CdTe quantum dots using mixed-ligands system and their applications for imaging of live cancer cells and tumors in vivo. <i>RSC Advances</i> , 2013, 3, 8899.	3.6	13
118	Melt extrudate swell behavior of graphene nano-platelets filled-polypropylene composites. <i>Polymer Testing</i> , 2015, 45, 179-184.	4.8	12
119	Recent advances of luminogens with aggregation-induced emission in multi-photon theranostics. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	12
120	Crystallinity and morphology of barium titanate filled poly(vinylidene fluoride) nanocomposites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46877.	2.6	11
121	Manganese-doped near-infrared emitting nanocrystals for in vivo biomedical imaging. <i>Optics Express</i> , 2016, 24, 17553.	3.4	10
122	In situ synthesis of osteoconductive biphasic ceramic coatings on Ti6Al4V substrate by laser-microwave hybridization. <i>Surface and Coatings Technology</i> , 2017, 330, 92-101.	4.8	10
123	Development of poly(vinyl alcohol)/starch/ethyl lauroyl arginate blend films with enhanced antimicrobial and physical properties for active packaging. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 389-397.	7.5	10
124	Nanotherapeutics Using an HIV-1 Poly A and Transactivator of the HIV-1 LTR-(TAR-) Specific siRNA. <i>Pathology Research International</i> , 2011, 2011, 1-9.	1.4	9
125	Quantum rods as nanocarriers of gene therapy. <i>Drug Delivery</i> , 2012, 19, 220-231.	5.7	9
126	Synthesis of PEGylated gold nanorods (Au NRs) as absorption nanoprobe for near-infrared optical imaging. <i>RSC Advances</i> , 2013, 3, 12280.	3.6	9

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127	Fabrication of ceramic bioscaffolds from fly ash cenosphere by susceptor-assisted microwave sintering. <i>Journal of the European Ceramic Society</i> , 2022, 42, 4410-4419.	5.7	9
128	Crystallization behavior of polylactide matrix under the influence of nano- ϵ -magnetite. <i>Polymer Engineering and Science</i> , 2019, 59, 608-615.	3.1	8
129	Seawater Desalination by Interfacial Solar Vapor Generation Method Using Plasmonic Heating Nanocomposites. <i>Micromachines</i> , 2020, 11, 867.	2.9	7
130	Finite element simulation of hybrid microwave sintering based on power approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 2503-2515.	3.0	7
131	Near infrared to ultraviolet upconversion nanocomposite for controlling the permittivity of polyspiropyran shell. <i>Polymer Testing</i> , 2021, 94, 107042.	4.8	7
132	Compatibilization of poly(lactic acid)/high impact polystyrene interface using copolymer poly(styrene- ϵ -methyl acrylate). <i>Journal of Applied Polymer Science</i> , 2018, 135, 45799.	2.6	6
133	Employing materials assembly to elucidate surface interactions of amino acids with Au nanoparticles. <i>Soft Matter</i> , 2011, 7, 6532.	2.7	5
134	Functionalized Plasmonic Anisotropic Nanocrystals for Multimodal Imaging of Cancer Cells. <i>Plasmonics</i> , 2013, 8, 313-318.	3.4	5
135	Finite Element Modelling of CNT-Filled Magnesium Alloy Matrix Composites under Microwave Irradiation. <i>Materials Science Forum</i> , 0, 867, 83-87.	0.3	5
136	One-pot synthesis of near-infrared type II quantum dots and their in vivo applications. <i>RSC Advances</i> , 2013, 3, 11511.	3.6	4
137	Hyper-elastic modeling and mechanical behavior investigation of porous poly-D-L-lactide/nano-hydroxyapatite scaffold material. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 71, 262-270.	3.1	4
138	Near-infrared and pH responsive molecular machine for controlled encapsulation and release of drugs. <i>Polymer Testing</i> , 2022, 112, 107631.	4.8	4
139	Molecular Dynamics Simulation of Plastic Deformation of Diamond at an Elevated Temperature. <i>Key Engineering Materials</i> , 2014, 626, 329-333.	0.4	2
140	Bio-molecular and cellular detection using SPR sensor and all-transparent microfluidic platform. , 0, , ,		1
141	Two dimensional phase sensitive surface plasmon resonance biosensor array using microfluidic flow circuit platform. , 0, , ,		1
142	Rapid hybrid microwave cladding of SiO ₂ /TiO ₂ sol-gel derived composite coatings. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 35-44.	2.4	1
143	Preparation of Size Tunable, Glutathione-Responsive Hyaluronic Acid-Quantum Dot Nanohybrids Using Microemulsion Method. <i>Science of Advanced Materials</i> , 2015, 7, 364-370.	0.7	1
144	Towards a consistent methodology for testing the electromechanical performance of strip polymer composite actuators. <i>Polymer Testing</i> , 2022, 106, 107463.	4.8	1

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145	Automating micro cellular detection process using all-transparent microfluidic platform and surface plasmon resonance technique. , 2005, , .		0
146	Towards Automating Micro Cellular Detection Process Using Micro Vortex Pump Arrays. , 0, , .		0
147	3D-printed millifluidic chip for synthesising plasmonic semiconductor nanocrystals as sensors substrate. HKIE Transactions, 2016, 23, 174-178.	0.1	0