

Wing Cheung Law

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139 papers	7,325 citations	46 h-index	83 g-index
150 ext. papers	8,167 ext. citations	7.4 avg, IF	5.78 L-index

#	Paper	IF	Citations
139	A pilot study in non-human primates shows no adverse response to intravenous injection of quantum dots. <i>Nature Nanotechnology</i> , 2012 , 7, 453-8	28.7	361
138	Nanotoxicity assessment of quantum dots: from cellular to primate studies. <i>Chemical Society Reviews</i> , 2013 , 42, 1236-50	58.5	359
137	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, 2969-77	16.7	350
136	In vivo targeted cancer imaging, sentinel lymph node mapping and multi-channel imaging with biocompatible silicon nanocrystals. <i>ACS Nano</i> , 2011 , 5, 413-23	16.7	340
135	Imaging pancreatic cancer using bioconjugated InP quantum dots. <i>ACS Nano</i> , 2009 , 3, 502-10	16.7	294
134	Highly sensitive differential phase-sensitive surface plasmon resonance biosensor based on the Mach-Zehnder configuration. <i>Optics Letters</i> , 2004 , 29, 2378-80	3	234
133	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	15.6	228
132	Biocompatible magnetofluorescent probes: luminescent silicon quantum dots coupled with superparamagnetic iron(III) oxide. <i>ACS Nano</i> , 2010 , 4, 5131-8	16.7	215
131	Sensitivity improved surface plasmon resonance biosensor for cancer biomarker detection based on plasmonic enhancement. <i>ACS Nano</i> , 2011 , 5, 4858-64	16.7	208
130	Gold Nanorods Coated with Multilayer Polyelectrolyte as Contrast Agents for Multimodal Imaging. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12552-12557	3.8	194
129	Aqueous-phase synthesis of highly luminescent CdTe/ZnTe core/shell quantum dots optimized for targeted bioimaging. <i>Small</i> , 2009 , 5, 1302-10	11	164
128	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, 2003-8	7.7	158
127	Au-Cu _(2-x) Se heterodimer nanoparticles with broad localized surface plasmon resonance as contrast agents for deep tissue imaging. <i>Nano Letters</i> , 2013 , 13, 4333-9	11.5	154
126	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	8.5	127
125	Biomolecular recognition principles for bionanocombinatorics: an integrated approach to elucidate enthalpic and entropic factors. <i>ACS Nano</i> , 2013 , 7, 9632-46	16.7	121
124	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	3.8	109
123	Poly(lactide)-graft-doxorubicin nanoparticles with precisely controlled drug loading for pH-triggered drug delivery. <i>Biomacromolecules</i> , 2014 , 15, 524-32	6.9	105

122	Electroactive shape memory polymer based on optimized multi-walled carbon nanotubes/polyvinyl alcohol nanocomposites. <i>Composites Part B: Engineering</i> , 2015 , 68, 170-175	10	103
121	Functional Polylactide-g-Paclitaxel/Poly(ethylene glycol) by Azide-Alkyne Click Chemistry. <i>Macromolecules</i> , 2011 , 44, 4793-4800	5.5	99
120	Well-defined degradable brush polymer-drug conjugates for sustained delivery of Paclitaxel. <i>Molecular Pharmaceutics</i> , 2013 , 10, 867-74	5.6	94
119	Anti-HIV-1 nanotherapeutics: promises and challenges for the future. <i>International Journal of Nanomedicine</i> , 2012 , 7, 5301-14	7.3	92
118	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	8.9	90
117	Biodegradable cationic polymeric nanocapsules for overcoming multidrug resistance and enabling drug-gene co-delivery to cancer cells. <i>Nanoscale</i> , 2014 , 6, 1567-72	7.7	89
116	Phase-sensitive time-modulated surface plasmon resonance polarimetry for wide dynamic range biosensing. <i>Optics Express</i> , 2007 , 15, 1745-54	3.3	88
115	Bioconjugation of luminescent silicon quantum dots for selective uptake by cancer cells. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1081-8	6.3	87
114	Preparation of quantum dot/drug nanoparticle formulations for traceable targeted delivery and therapy. <i>Theranostics</i> , 2012 , 2, 681-94	12.1	84
113	Cu ₂ -x 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, 952-7	10.1	83
112	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, 222-31	8.3	75
111	Enhancing the Heat Transfer Efficiency in Graphene-Epoxy Nanocomposites Using a Magnesium Oxide-Graphene Hybrid Structure. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14397-403	9.5	75
110	A degradable brush polymer-drug conjugate for pH-responsive release of doxorubicin. <i>Polymer Chemistry</i> , 2015 , 6, 953-961	4.9	73
109	Floating, highly efficient, and scalable graphene membranes for seawater desalination using solar energy. <i>Green Chemistry</i> , 2018 , 20, 3689-3695	10	70
108	Bioconjugation of luminescent silicon quantum dots to gadolinium ions for bioimaging applications. <i>Nanoscale</i> , 2012 , 4, 5483-9	7.7	70
107	Doxorubicin-conjugated quantum dots to target alveolar macrophages and inflammation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011 , 7, 88-96	6	70
106	Nanoparticle enhanced surface plasmon resonance biosensing: application of gold nanorods. <i>Optics Express</i> , 2009 , 17, 19041-6	3.3	65
105	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, 751-61	10.1	62

104	Bioconjugated pluronic triblock-copolymer micelle-encapsulated quantum dots for targeted imaging of cancer: in vitro and in vivo studies. <i>Theranostics</i> , 2012 , 2, 705-13	12.1	60
103	Multimodal nanoparticles that provide immunomodulation and intracellular drug delivery for infectious diseases. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 831-8	6	58
102	PEGylated Phospholipid Micelle-Encapsulated Near-Infrared PbS Quantum Dots for in vitro and in vivo Bioimaging. <i>Theranostics</i> , 2012 , 2, 723-33	12.1	57
101	Non-invasive tumor detection in small animals using novel functional Pluronic nanomicelles conjugated with anti-mesothelin antibody. <i>Nanoscale</i> , 2011 , 3, 1813-22	7.7	52
100	Functionalized near-infrared quantum dots for in vivo tumor vasculature imaging. <i>Nanotechnology</i> , 2010 , 21, 145105	3.4	51
99	Bioconjugated PLGA-4-arm-PEG branched polymeric nanoparticles as novel tumor targeting carriers. <i>Nanotechnology</i> , 2011 , 22, 165101	3.4	50
98	Biodegradable Polymers for Gene-Delivery Applications. <i>International Journal of Nanomedicine</i> , 2020 , 15, 2131-2150	7.3	49
97	Optimizing the synthesis of red- and near-infrared CuInS ₂ and AgInS ₂ semiconductor nanocrystals for bioimaging. <i>Analyst, The</i> , 2013 , 138, 6144-53	5	49
96	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, 7136-8	5.8	49
95	Phase-sensitive surface plasmon resonance biosensor using the photoelastic modulation technique. <i>Sensors and Actuators B: Chemical</i> , 2006 , 114, 80-84	8.5	48
94	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	2.5	47
93	Wide dynamic range phase-sensitive surface plasmon resonance biosensor based on measuring the modulation harmonics. <i>Biosensors and Bioelectronics</i> , 2007 , 23, 627-32	11.8	46
92	3D printed graphene/nickel electrodes for high areal capacitance electrochemical storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4055-4062	13	44
91	Rapid microwave sintering of carbon nanotube-filled AZ61 magnesium alloy composites. <i>Composites Part B: Engineering</i> , 2016 , 93, 302-309	10	42
90	Synthesis of pH-responsive chitosan nanocapsules for the controlled delivery of doxorubicin. <i>Langmuir</i> , 2014 , 30, 4111-9	4	42
89	Wearable Fluid Capture Devices for Electrochemical Sensing of Sweat. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 238-243	9.5	41
88	Fluorescence imaging of the lymph node uptake of proteins in mice after subcutaneous injection: molecular weight dependence. <i>Pharmaceutical Research</i> , 2012 , 29, 1843-53	4.5	39
87	Nanoparticle-mediated targeted delivery of antiretrovirals to the brain. <i>Methods in Enzymology</i> , 2012 , 509, 41-60	1.7	37

86	Flexible, stretchable and conductive PVA/PEDOT:PSS composite hydrogels prepared by SIPN strategy. <i>Polymer Testing</i> , 2020 , 81, 106213	4.5	37
85	Well-defined diblock brush polymer-drug conjugates for sustained delivery of paclitaxel. <i>Biomaterials Science</i> , 2015 , 3, 1078-84	7.4	36
84	Multimodal imaging probes based on Gd-DOTA conjugated quantum dot nanomicelles. <i>Analyst, The</i> , 2011 , 136, 1881-6	5	35
83	Two-dimensional biosensor arrays based on surface plasmon resonance phase imaging. <i>Applied Optics</i> , 2007 , 46, 2325-32	1.7	34
82	Real-time optical biosensor based on differential phase measurement of surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 2177-80	11.8	32
81	Development of Direct-Laser-Printable Light-Powered Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19541-19553	9.5	31
80	Preparation, optical and thermal properties of CdSe/ZnS/poly(lactic acid) (PLA) nanocomposites. <i>Composites Part B: Engineering</i> , 2014 , 66, 494-499	10	31
79	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, 132-41	3.7	31
78	Biodegradable nanocapsules as siRNA carriers for mutant K-Ras gene silencing of human pancreatic carcinoma cells. <i>Small</i> , 2013 , 9, 2757-63	11	31
77	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	10.1	30
76	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, 673-85	6.9	29
75	Recent advances in solar-driven evaporation systems. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25571-25600	15.6	28
74	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	10	25
73	Microstructure and compressive properties of silicon carbide reinforced geopolymer. <i>Composites Part B: Engineering</i> , 2016 , 105, 93-100	10	25
72	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	10	25
71	Enhancing the cell proliferation performance of NiTi substrate by laser diffusion nitriding. <i>Surface and Coatings Technology</i> , 2017 , 309, 59-66	4.4	24
70	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	10	24
69	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, 1192-202	6	24

68	Morphine and galectin-1 modulate HIV-1 infection of human monocyte-derived macrophages. <i>Journal of Immunology</i> , 2012 , 188, 3757-65	5.3	24
67	Suppression of MMP-9 expression in brain microvascular endothelial cells (BMVEC) using a gold nanorod (GNR)-siRNA nanoplex. <i>Immunological Investigations</i> , 2012 , 41, 337-55	2.9	23
66	The Invasion and Reproductive Toxicity of QDs-Transferrin Bioconjugates on Preantral Follicle in vitro. <i>Theranostics</i> , 2012 , 2, 734-45	12.1	22
65	Exploring the amphiphilicity of PEGylated gold nanorods: mechanical phase transfer and self-assembly. <i>Chemical Communications</i> , 2013 , 49, 9350-2	5.8	21
64	Synthesis of Yolk-Shell Polymeric Nanocapsules Encapsulated with Monodispersed Upconversion Nanoparticle for Dual-Responsive Controlled Drug Release. <i>Macromolecules</i> , 2018 , 51, 10074-10082	5.5	21
63	Biodegradable nanoparticle-mediated K-ras down regulation for pancreatic cancer gene therapy. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2163-2172	7.3	20
62	The non-aqueous synthesis of shape controllable Cu(2-x)S plasmonic nanostructures in a continuous-flow microfluidic chip for the generation of photo-induced heating. <i>Nanoscale</i> , 2016 , 8, 6609-22	7.7	20
61	Nonlinear optical absorption and stimulated Mie scattering in metallic nanoparticle suspensions. <i>Journal of Chemical Physics</i> , 2013 , 138, 024202	3.9	20
60	Application of Gold Nanorods for Plasmonic and Magnetic Imaging of Cancer Cells. <i>Plasmonics</i> , 2011 , 6, 105-112	2.4	20
59	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	10	18
58	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	3.8	17
57	Enhancing silicon quantum dot uptake by pancreatic cancer cells via pluronic [®] encapsulation and antibody targeting. <i>Journal of Solid Tumors</i> , 2012 , 2,	0.3	17
56	Gene Silencing of Human Neuronal Cells for Drug Addiction Therapy using Anisotropic Nanocrystals. <i>Theranostics</i> , 2012 , 2, 695-704	12.1	17
55	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, 9405-16	7.7	17
54	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	10	16
53	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	5.6	15
52	Plasmonic Semiconductor Nanocrystals as Chemical Sensors: Pb ²⁺ Quantitation via Aggregation-Induced Plasmon Resonance Shift. <i>Plasmonics</i> , 2014 , 9, 893-898	2.4	15
51	Microfluidic synthesis of cadmium sulfide nanoparticles and their application in bioimaging. <i>RSC Advances</i> , 2017 , 7, 36819-36832	3.7	15

50	Near-infrared fluorescent peptide probes for imaging of tumor in vivo and their biotoxicity evaluation. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 910-6	5.4	15
49	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	5.3	14
48	Interleukin-8 gene silencing on pancreatic cancer cells using biodegradable polymer nanoplexes. <i>Biomaterials Science</i> , 2014 , 2, 1007-1015	7.4	14
47	Supramolecular ionic polymer/carbon nanotube composite hydrogels with enhanced electromechanical performance. <i>Nanotechnology Reviews</i> , 2020 , 9, 478-488	6.3	14
46	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	5.6	14
45	Rational design of multimodal and multifunctional InP quantum dot nanoprobe for cancer: in vitro and in vivo applications. <i>RSC Advances</i> , 2013 , 3, 8495	3.7	13
44	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	3.7	13
43	Printability of photo-sensitive nanocomposites using two-photon polymerization. <i>Nanotechnology Reviews</i> , 2020 , 9, 418-426	6.3	13
42	Manipulating nanoscale interactions in a polymer nanocomposite for chiral control of linear and nonlinear optical functions. <i>Advanced Materials</i> , 2014 , 26, 1607-11	2.4	12
41	Light-Induced Photoluminescence Switching Using Liquid Crystal-Dispersed Quantum Dots. <i>IEEE Photonics Journal</i> , 2012 , 4, 19-25	1.8	12
40	Toxicity assessment of phospholipid micelle-encapsulated cadmium-based quantum dots using Kunming mice. <i>RSC Advances</i> , 2013 , 3, 1768-1773	3.7	12
39	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, 129-41	1.7	12
38	Synthesis and characterisation of floatable magnesium alloy syntactic foams with hybridised cell morphology. <i>Materials and Design</i> , 2018 , 160, 591-600	8.1	12
37	Quantum dot-doped porous silicon metal-semiconductor metal photodetector. <i>Nanoscale Research Letters</i> , 2012 , 7, 291	5	11
36	Stimulated Mie scattering in nanocrystals suspension. <i>Applied Physics Letters</i> , 2012 , 101, 011110	3.4	11
35	Melt extrudate swell behavior of graphene nano-platelets filled-polypropylene composites. <i>Polymer Testing</i> , 2015 , 45, 179-184	4.5	9
34	Controlled Encapsulation and Release of Substances Based on Temperature and Photoresponsive Nanocapsules. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3039-3046	3.8	9
33	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	9.4	9

32	Aqueous Phase Synthesis of Cu S Nanostructures and Their Photothermal Generation Study. <i>ACS Omega</i> , 2019 , 4, 14655-14662	3.9	8
31	Synthesis of PEGylated gold nanorods (Au NRs) as absorption nanoprobe for near-infrared optical imaging. <i>RSC Advances</i> , 2013 , 3, 12280	3.7	8
30	Quantum rods as nanocarriers of gene therapy. <i>Drug Delivery</i> , 2012 , 19, 220-31	7	8
29	Nanotherapeutics Using an HIV-1 Poly A and Transactivator of the HIV-1 LTR-(TAR-) Specific siRNA. <i>Pathology Research International</i> , 2011 , 2011, 719139		8
28	Manganese-doped near-infrared emitting nanocrystals for in vivo biomedical imaging. <i>Optics Express</i> , 2016 , 24, 17553-61	3.3	8
27	Crystallinity and morphology of barium titanate filled poly(vinylidene fluoride) nanocomposites. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46877	2.9	8
26	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, 136-52	6.9	7
25	Nanotechnology of diamondoids for the fabrication of nanostructured systems. <i>Nanotechnology Reviews</i> , 2020 , 9, 650-669	6.3	7
24	Deep-Brain Three-Photon Imaging Enabled by Aggregation-Induced Emission Luminogens with Near-Infrared-III Excitation.. <i>ACS Nano</i> , 2022 ,	16.7	7
23	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	4.4	6
22	Aggregation-Induced Emission Nanoprobes Working in the NIR-II Region: From Material Design to Fluorescence Imaging and Phototherapy. <i>Advanced Optical Materials</i> , 2021 , 9, 2100859	8.1	6
21	Compatibilization of poly(lactic acid)/high impact polystyrene interface using copolymer poly(styrene-ran-methyl acrylate). <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45799	2.9	5
20	Finite Element Modelling of CNT-Filled Magnesium Alloy Matrix Composites under Microwave Irradiation. <i>Materials Science Forum</i> , 2016 , 867, 83-87	0.4	5
19	Functionalized Plasmonic Anisotropic Nanocrystals for Multimodal Imaging of Cancer Cells. <i>Plasmonics</i> , 2013 , 8, 313-318	2.4	5
18	Development of ionic liquid-based electroactive polymer composites using nanotechnology. <i>Nanotechnology Reviews</i> , 2021 , 10, 99-116	6.3	5
17	Near infrared to ultraviolet upconversion nanocomposite for controlling the permittivity of polyspiropyran shell. <i>Polymer Testing</i> , 2021 , 94, 107042	4.5	5
16	Employing materials assembly to elucidate surface interactions of amino acids with Au nanoparticles. <i>Soft Matter</i> , 2011 , 7, 6532	3.6	4
15	Organic/Inorganic Self-Assembled Hybrid Nano-Architectures for Cancer Therapy Applications. <i>Macromolecular Bioscience</i> , 2021 , e2100349	5.5	4

14	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	4.1	3
13	One-pot synthesis of near-infrared type II quantum dots and their in vivo applications. <i>RSC Advances</i> , 2013 , 3, 11511	3.7	3
12	Seawater Desalination by Interfacial Solar Vapor Generation Method Using Plasmonic Heating Nanocomposites. <i>Micromachines</i> , 2020 , 11,	3.3	3
11	Crystallization behavior of polylactide matrix under the influence of nano-magnetite. <i>Polymer Engineering and Science</i> , 2019 , 59, 608-615	2.3	3
10	Molecular Dynamics Simulation of Plastic Deformation of Diamond at an Elevated Temperature. <i>Key Engineering Materials</i> , 2014 , 626, 329-333	0.4	2
9	Two dimensional phase sensitive surface plasmon resonance biosensor array using microfluidic flow circuit platform		1
8	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	7.9	1
7	Photo- and pH-responsive drug delivery nanocomposite based on o-nitrobenzyl functionalized upconversion nanoparticles. <i>Polymer</i> , 2021 , 229, 123961	3.9	1
6	Recent advances of luminogens with aggregation-induced emission in multi-photon theranostics. <i>Applied Physics Reviews</i> , 2021 , 8, 041328	17.3	1
5	Towards a consistent methodology for testing the electromechanical performance of strip polymer composite actuators. <i>Polymer Testing</i> , 2022 , 106, 107463	4.5	0
4	Finite element simulation of hybrid microwave sintering based on power approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 110, 2503-2515	3.2	0
3	Near-infrared and pH responsive molecular machine for controlled encapsulation and release of drugs. <i>Polymer Testing</i> , 2022 , 107631	4.5	0
2	3D-printed microfluidic chip for synthesising plasmonic semiconductor nanocrystals as sensors substrate. <i>HKIE Transactions</i> , 2016 , 23, 174-178	2.9	
1	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	2.3	