Wing Cheung Law

List of Publications by Year in Descending Order

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	Towards a consistent methodology for testing the electromechanical performance of strip polymer composite actuators. *Polymer Testing*, **2022**, 106, 107463	4.5	0
138	Deep-Brain Three-Photon Imaging Enabled by Aggregation-Induced Emission Luminogens with Near-Infrared-III Excitation.. *ACS Nano*, **2022**,	16.7	7
137	Near-infrared and pH responsive molecular machine for controlled encapsulation and release of drugs. *Polymer Testing*, **2022**, 107631	4.5	0
136	Organic/Inorganic Self-Assembled Hybrid Nano-Architectures for Cancer Therapy Applications. *Macromolecular Bioscience*, **2021**, e2100349	5.5	4
135	Development of poly(vinyl alcohol)/starch/ethyl lauroyl arginate blend films with enhanced antimicrobial and physical properties for active packaging. *International Journal of Biological Macromolecules*, **2021**, 192, 389-397	7.9	1
134	Aggregation-Induced Emission Nanoprobes Working in the NIR-II Region: From Material Design to Fluorescence Imaging and Phototherapy. *Advanced Optical Materials*, **2021**, 9, 2100859	8.1	6
133	Development of ionic liquid-based electroactive polymer composites using nanotechnology. *Nanotechnology Reviews*, **2021**, 10, 99-116	6.3	5
132	Rapid hybrid microwave cladding of SiO2/TiO2 sol□gel derived composite coatings. *Journal of Sol-Gel Science and Technology*, **2021**, 98, 35-44	2.3	
131	Near infrared to ultraviolet upconversion nanocomposite for controlling the permittivity of polyspiropyran shell. *Polymer Testing*, **2021**, 94, 107042	4.5	5
130	Metal organic framework-coated gold nanorod as an on-demand drug delivery platform for chemo-photothermal cancer therapy. *Journal of Nanobiotechnology*, **2021**, 19, 219	9.4	9
129	Photo- and pH-responsive drug delivery nanocomposite based on o-nitrobenzyl functionalized upconversion nanoparticles. *Polymer*, **2021**, 229, 123961	3.9	1
128	Recent advances of luminogens with aggregation-induced emission in multi-photon theranostics. *Applied Physics Reviews*, **2021**, 8, 041328	17.3	1
127	Biodegradable Polymers for Gene-Delivery Applications. *International Journal of Nanomedicine*, **2020**, 15, 2131-2150	7.3	49
126	Printability of photo-sensitive nanocomposites using two-photon polymerization. *Nanotechnology Reviews*, **2020**, 9, 418-426	6.3	13
125	Supramolecular ionic polymer/carbon nanotube composite hydrogels with enhanced electromechanical performance. *Nanotechnology Reviews*, **2020**, 9, 478-488	6.3	14
124	Nanotechnology of diamondoids for the fabrication of nanostructured systems. *Nanotechnology Reviews*, **2020**, 9, 650-669	6.3	7
123	Flexible, stretchable and conductive PVA/PEDOT:PSS composite hydrogels prepared by SIPN strategy. *Polymer Testing*, **2020**, 81, 106213	4.5	37

122	Seawater Desalination by Interfacial Solar Vapor Generation Method Using Plasmonic Heating Nanocomposites. *Micromachines*, **2020**, 11,	3.3	3
121	Recent advances in solar-driven evaporation systems. *Journal of Materials Chemistry A*, **2020**, 8, 25571-25600	10	28
120	Finite element simulation of hybrid microwave sintering based on power approach. *International Journal of Advanced Manufacturing Technology*, **2020**, 110, 2503-2515	3.2	0
119	Aqueous Phase Synthesis of Cu S Nanostructures and Their Photothermal Generation Study. *ACS Omega*, **2019**, 4, 14655-14662	3.9	8
118	3D printed graphene/nickel electrodes for high areal capacitance electrochemical storage. *Journal of Materials Chemistry A*, **2019**, 7, 4055-4062	13	44
117	Development of Direct-Laser-Printable Light-Powered Nanocomposites. *ACS Applied Materials & Interfaces*, **2019**, 11, 19541-19553	9.5	31
116	Thermal and Photo Dual-Responsive Core–Shell Polymeric Nanocarriers with Encapsulation of Upconversion Nanoparticles for Controlled Anticancer Drug Release. *Journal of Physical Chemistry C* , **2019**, 123, 10658-10665	3.8	17
115	Intensifying the Antimicrobial Activity of Poly[2-(tert-butylamino)ethyl Methacrylate]/Polylactide Composites by Tailoring Their Chemical and Physical Structures. *Molecular Pharmaceutics*, **2019**, 16, 709-723	5.6	14
114	Synthesis of deformable hydrogel composites based on Janus bilayer multi-walled carbon nanotubes/host-guest complex structure. *Composites Part B: Engineering*, **2019**, 164, 121-128	10	18
113	Crystallization behavior of polylactide matrix under the influence of nano-magnetite. *Polymer Engineering and Science*, **2019**, 59, 608-615	2.3	3
112	Wearable Fluid Capture Devices for Electrochemical Sensing of Sweat. *ACS Applied Materials & Interfaces*, **2019**, 11, 238-243	9.5	41
111	Controlled Encapsulation and Release of Substances Based on Temperature and Photoresponsive Nanocapsules. *Journal of Physical Chemistry C*, **2018**, 122, 3039-3046	3.8	9
110	Processing and characterisation of carbon nanotube-reinforced magnesium alloy composite foams by rapid microwave sintering. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 726, 82-92	5.3	14
109	Compatibilization of poly(lactic acid)/high impact polystyrene interface using copolymer poly(stylene-ran-methyl acrylate). *Journal of Applied Polymer Science*, **2018**, 135, 45799	2.9	5
108	Floating, highly efficient, and scalable graphene membranes for seawater desalination using solar energy. *Green Chemistry*, **2018**, 20, 3689-3695	10	70
107	Synthesis of Yolk–Shell Polymeric Nanocapsules Encapsulated with Monodispersed Upconversion Nanoparticle for Dual-Responsive Controlled Drug Release. *Macromolecules*, **2018**, 51, 10074-10082	5.5	21
106	Synthesis and characterisation of floatable magnesium alloy syntactic foams with hybridised cell morphology. *Materials and Design*, **2018**, 160, 591-600	8.1	12
105	Crystallinity and morphology of barium titanate filled poly(vinylidene fluoride) nanocomposites. *Journal of Applied Polymer Science*, **2018**, 135, 46877	2.9	8

104	Fabrication of monodisperse drug-loaded poly(lactic-co-glycolic acid)□chitosan core-shell nanocomposites via pickering emulsion. *Composites Part B: Engineering*, **2017**, 121, 99-107	10	16
103	Hyper-elastic modeling and mechanical behavior investigation of porous poly-D-L-lactide/nano-hydroxyapatite scaffold material. *Journal of the Mechanical Behavior of Biomedical Materials*, **2017**, 71, 262-270	4.1	3
102	Enhancing the cell proliferation performance of NiTi substrate by laser diffusion nitriding. *Surface and Coatings Technology*, **2017**, 309, 59-66	4.4	24
101	In situ synthesis of osteoconductive biphasic ceramic coatings on Ti6Al4V substrate by laser-microwave hybridization. *Surface and Coatings Technology*, **2017**, 330, 92-101	4.4	6
100	Effects of Cd-based Quantum Dot Exposure on the Reproduction and Offspring of Kunming Mice over Multiple Generations. *Nanotheranostics*, **2017**, 1, 23-37	5.6	15
99	Millifluidic synthesis of cadmium sulfide nanoparticles and their application in bioimaging. *RSC Advances*, **2017**, 7, 36819-36832	3.7	15
98	A new strategy for designing high-performance sulfonated poly(ether ether ketone) polymer electrolyte membranes using inorganic proton conductor-functionalized carbon nanotubes. *Journal of Power Sources*, **2016**, 325, 453-464	8.9	90
97	Finite Element Modelling of CNT-Filled Magnesium Alloy Matrix Composites under Microwave Irradiation. *Materials Science Forum*, **2016**, 867, 83-87	0.4	5
96	Rapid microwave sintering of carbon nanotube-filled AZ61 magnesium alloy composites. *Composites Part B: Engineering*, **2016**, 93, 302-309	10	42
95	Investigating the crystallization behavior of poly(lactic acid) using CdSe/ZnS quantum dots as heterogeneous nucleating agents. *Composites Part B: Engineering*, **2016**, 91, 103-110	10	24
94	The non-aqueous synthesis of shape controllable Cu(2-x)S plasmonic nanostructures in a continuous-flow millifluidic chip for the generation of photo-induced heating. *Nanoscale*, **2016**, 8, 6609-22	7.7	20
93	Near-infrared fluorescent peptide probes for imaging of tumor in vivo and their biotoxicity evaluation. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 910-6	5.4	15
92	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. *Nanoscale*, **2016**, 8, 9405-16	7.7	17
91	Manganese-doped near-infrared emitting nanocrystals for in vivo biomedical imaging. *Optics Express*, **2016**, 24, 17553-61	3.3	8
90	3D-printed millifluidic chip for synthesising plasmonic semiconductor nanocrystals as sensors substrate. *HKIE Transactions*, **2016**, 23, 174-178	2.9	
89	Microstructure and compressive properties of silicon carbide reinforced geopolymer. *Composites Part B: Engineering*, **2016**, 105, 93-100	10	25
88	Shape memory effect of thermal-responsive nano-hydroxyapatite reinforced poly-d-l-lactide composites with porous structure. *Composites Part B: Engineering*, **2016**, 107, 67-74	10	25
87	Nanotherapeutic approach for opiate addiction using DARPP-32 gene silencing in an animal model of opiate addiction. *Journal of NeuroImmune Pharmacology*, **2015**, 10, 136-52	6.9	7

86	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	10	30
85	Cytotoxicity assessment of functionalized CdSe, CdTe and InP quantum dots in two human cancer cell models. *Materials Science and Engineering C*, **2015**, 57, 222-31	8.3	75
84	Enhancing the Heat Transfer Efficiency in Graphene-Epoxy Nanocomposites Using a Magnesium Oxide-Graphene Hybrid Structure. *ACS Applied Materials & Interfaces*, **2015**, 7, 14397-403	9.5	75
83	Melt extrudate swell behavior of graphene nano-platelets filled-polypropylene composites. *Polymer Testing*, **2015**, 45, 179-184	4.5	9
82	Biodegradable nanoparticle-mediated K-ras down regulation for pancreatic cancer gene therapy. *Journal of Materials Chemistry B*, **2015**, 3, 2163-2172	7.3	20
81	Microwave assisted-in situ synthesis of porous titanium/calcium phosphate composites and their in vitro apatite-forming capability. *Composites Part B: Engineering*, **2015**, 83, 50-57	10	25
80	A degradable brush polymer–drug conjugate for pH-responsive release of doxorubicin. *Polymer Chemistry*, **2015**, 6, 953-961	4.9	73
79	Electroactive shape memory polymer based on optimized multi-walled carbon nanotubes/polyvinyl alcohol nanocomposites. *Composites Part B: Engineering*, **2015**, 68, 170-175	10	103
78	Well-defined diblock brush polymer-drug conjugates for sustained delivery of paclitaxel. *Biomaterials Science*, **2015**, 3, 1078-84	7.4	36
77	Multimodal nanoparticles that provide immunomodulation and intracellular drug delivery for infectious diseases. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2014**, 10, 831-8	6	58
76	Synthesis of pH-responsive chitosan nanocapsules for the controlled delivery of doxorubicin. *Langmuir*, **2014**, 30, 4111-9	4	42
75	Biodegradable cationic polymeric nanocapsules for overcoming multidrug resistance and enabling drug-gene co-delivery to cancer cells. *Nanoscale*, **2014**, 6, 1567-72	7.7	89
74	Polylactide-graft-doxorubicin nanoparticles with precisely controlled drug loading for pH-triggered drug delivery. *Biomacromolecules*, **2014**, 15, 524-32	6.9	105
73	Preparation, optical and thermal properties of CdSe/ZnS/poly(lactic acid) (PLA) nanocomposites. *Composites Part B: Engineering*, **2014**, 66, 494-499	10	31
72	Interleukin-8 gene silencing on pancreatic cancer cells using biodegradable polymer nanoplexes. *Biomaterials Science*, **2014**, 2, 1007-1015	7.4	14
71	Plasmonic Semiconductor Nanocrystals as Chemical Sensors: Pb2+ Quantitation via Aggregation-Induced Plasmon Resonance Shift. *Plasmonics*, **2014**, 9, 893-898	2.4	15
70	Manipulating nanoscale interactions in a polymer nanocomposite for chiral control of linear and nonlinear optical functions. *Advanced Materials*, **2014**, 26, 1607-11	24	12
69	Molecular Dynamics Simulation of Plastic Deformation of Diamond at an Elevated Temperature. *Key Engineering Materials*, **2014**, 626, 329-333	0.4	2

68	One-pot synthesis of near-infrared type II quantum dots and their in vivo applications. *RSC Advances*, **2013**, 3, 11511	3.7	3
67	Exploring the amphiphilicity of PEGylated gold nanorods: mechanical phase transfer and self-assembly. *Chemical Communications*, **2013**, 49, 9350-2	5.8	21
66	Optimizing the synthesis of red- and near-infrared CuInS2 and AgInS2 semiconductor nanocrystals for bioimaging. *Analyst, The*, **2013**, 138, 6144-53	5	49
65	Phospholipid micelle-based magneto-plasmonic nanoformulation for magnetic field-directed, imaging-guided photo-induced cancer therapy. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2013**, 9, 1192-202	6	24
64	Synthesis of PEGylated gold nanorods (Au NRs) as absorption nanoprobes for near-infrared optical imaging. *RSC Advances*, **2013**, 3, 12280	3.7	8
63	Rational design of multimodal and multifunctional InP quantum dot nanoprobes for cancer: in vitro and in vivo applications. *RSC Advances*, **2013**, 3, 8495	3.7	13
62	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. *RSC Advances*, **2013**, 3, 8899	3.7	13
61	Well-defined degradable brush polymer-drug conjugates for sustained delivery of Paclitaxel. *Molecular Pharmaceutics*, **2013**, 10, 867-74	5.6	94
60	Nanotoxicity assessment of quantum dots: from cellular to primate studies. *Chemical Society Reviews*, **2013**, 42, 1236-50	58.5	359
59	Size-Controlled Synthesis of Cu2-xE (E = S, Se) Nanocrystals with Strong Tunable Near-Infrared Localized Surface Plasmon Resonance and High Conductivity in Thin Films. *Advanced Functional Materials*, **2013**, 23, 1256-1264	15.6	228
58	Size dependence of Au NP-enhanced surface plasmon resonance based on differential phase measurement. *Sensors and Actuators B: Chemical*, **2013**, 176, 1128-1133	8.5	127
57	Cu2-x Se nanocrystals with localized surface plasmon resonance as sensitive contrast agents for in vivo photoacoustic imaging: demonstration of sentinel lymph node mapping. *Advanced Healthcare Materials*, **2013**, 2, 952-7	10.1	83
56	Functionalized Plasmonic Anisotropic Nanocrystals for Multimodal Imaging of Cancer Cells. *Plasmonics*, **2013**, 8, 313-318	2.4	5
55	Nonlinear optical absorption and stimulated Mie scattering in metallic nanoparticle suspensions. *Journal of Chemical Physics*, **2013**, 138, 024202	3.9	20
54	Biomolecular recognition principles for bionanocombinatorics: an integrated approach to elucidate enthalpic and entropic factors. *ACS Nano*, **2013**, 7, 9632-46	16.7	121
53	Au-Cu(2-x)Se heterodimer nanoparticles with broad localized surface plasmon resonance as contrast agents for deep tissue imaging. *Nano Letters*, **2013**, 13, 4333-9	11.5	154
52	Biodegradable nanocapsules as siRNA carriers for mutant K-Ras gene silencing of human pancreatic carcinoma cells. *Small*, **2013**, 9, 2757-63	11	31
51	Toxicity assessment of phospholipid micelle-encapsulated cadmium-based quantum dots using Kunming mice. *RSC Advances*, **2013**, 3, 1768-1773	3.7	12

50	Light-Induced Photoluminescence Switching Using Liquid Crystal-Dispersed Quantum Dots. *IEEE Photonics Journal*, **2012**, 4, 19-25	1.8	12
49	Core/shell NaGdF4:Nd(3+)/NaGdF4 nanocrystals with efficient near-infrared to near-infrared downconversion photoluminescence for bioimaging applications. *ACS Nano*, **2012**, 6, 2969-77	16.7	350
48	Bioconjugated pluronic triblock-copolymer micelle-encapsulated quantum dots for targeted imaging of cancer: in vitro and in vivo studies. *Theranostics*, **2012**, 2, 705-13	12.1	60
47	Gold nanorod-sphingosine kinase siRNA nanocomplexes: a novel therapeutic tool for potent radiosensitization of head and neck cancer. *Integrative Biology (United Kingdom)*, **2012**, 4, 132-41	3.7	31
46	Quantum dot-doped porous silicon metal-semiconductor metal photodetector. *Nanoscale Research Letters*, **2012**, 7, 291	5	11
45	Bioconjugation of luminescent silicon quantum dots to gadolinium ions for bioimaging applications. *Nanoscale*, **2012**, 4, 5483-9	7.7	70
44	Quantum rods as nanocarriers of gene therapy. *Drug Delivery*, **2012**, 19, 220-31	7	8
43	Enhancing silicon quantum dot uptake by pancreatic cancer cells via pluronic encapsulation and antibody targeting. *Journal of Solid Tumors*, **2012**, 2,	0.3	17
42	Nanoparticle based galectin-1 gene silencing, implications in methamphetamine regulation of HIV-1 infection in monocyte derived macrophages. *Journal of NeuroImmune Pharmacology*, **2012**, 7, 673-85	6.9	29
41	Nanoparticle-mediated targeted delivery of antiretrovirals to the brain. *Methods in Enzymology*, **2012**, 509, 41-60	1.7	37
40	Anti-HIV-1 nanotherapeutics: promises and challenges for the future. *International Journal of Nanomedicine*, **2012**, 7, 5301-14	7.3	92
39	Gene Silencing of Human Neuronal Cells for Drug Addiction Therapy using Anisotropic Nanocrystals. *Theranostics*, **2012**, 2, 695-704	12.1	17
38	Preparation of quantum dot/drug nanoparticle formulations for traceable targeted delivery and therapy. *Theranostics*, **2012**, 2, 681-94	12.1	84
37	PEGylated Phospholipid Micelle-Encapsulated Near-Infrared PbS Quantum Dots for in vitro and in vivo Bioimaging. *Theranostics*, **2012**, 2, 723-33	12.1	57
36	The Invasion and Reproductive Toxicity of QDs-Transferrin Bioconjugates on Preantral Follicle in vitro. *Theranostics*, **2012**, 2, 734-45	12.1	22
35	Stimulated Mie scattering in nanocrystals suspension. *Applied Physics Letters*, **2012**, 101, 011110	3.4	11
34	A pilot study in non-human primates shows no adverse response to intravenous injection of quantum dots. *Nature Nanotechnology*, **2012**, 7, 453-8	28.7	361
33	Well-defined degradable cationic polylactide as nanocarrier for the delivery of siRNA to silence angiogenesis in prostate cancer. *Advanced Healthcare Materials*, **2012**, 1, 751-61	10.1	62

32	Fluorescence imaging of the lymph node uptake of proteins in mice after subcutaneous injection: molecular weight dependence. *Pharmaceutical Research*, **2012**, 29, 1843-53	4.5	39
31	Suppression of MMP-9 expression in brain microvascular endothelial cells (BMVEC) using a gold nanorod (GNR)-siRNA nanoplex. *Immunological Investigations*, **2012**, 41, 337-55	2.9	23
30	Morphine and galectin-1 modulate HIV-1 infection of human monocyte-derived macrophages. *Journal of Immunology*, **2012**, 188, 3757-65	5.3	24
29	Monodisperse NaYbF4:Tm3+/NaGdF4 core/shell nanocrystals with near-infrared to near-infrared upconversion photoluminescence and magnetic resonance properties. *Nanoscale*, **2011**, 3, 2003-8	7.7	158
28	Sensitivity improved surface plasmon resonance biosensor for cancer biomarker detection based on plasmonic enhancement. *ACS Nano*, **2011**, 5, 4858-64	16.7	208
27	Functional Polylactide-g-Paclitaxel Poly(ethylene glycol) by Azide Alkyne Click Chemistry. *Macromolecules*, **2011**, 44, 4793-4800	5.5	99
26	Bioconjugation of luminescent silicon quantum dots for selective uptake by cancer cells. *Bioconjugate Chemistry*, **2011**, 22, 1081-8	6.3	87
25	In vivo targeted cancer imaging, sentinel lymph node mapping and multi-channel imaging with biocompatible silicon nanocrystals. *ACS Nano*, **2011**, 5, 413-23	16.7	340
24	Bioconjugated PLGA-4-arm-PEG branched polymeric nanoparticles as novel tumor targeting carriers. *Nanotechnology*, **2011**, 22, 165101	3.4	50
23	Nanotherapeutics Using an HIV-1 Poly A and Transactivator of the HIV-1 LTR-(TAR-) Specific siRNA. *Pathology Research International*, **2011**, 2011, 719139		8
22	Synthesis of near-infrared silver-indium-sulfide (AgInS2) quantum dots as heavy-metal free photosensitizer for solar cell applications. *Chemical Physics Letters*, **2011**, 515, 254-257	2.5	47
21	Non-invasive tumor detection in small animals using novel functional Pluronic nanomicelles conjugated with anti-mesothelin antibody. *Nanoscale*, **2011**, 3, 1813-22	7.7	52
20	Application of Gold Nanorods for Plasmonic and Magnetic Imaging of Cancer Cells. *Plasmonics*, **2011**, 6, 105-112	2.4	20
19	Employing materials assembly to elucidate surface interactions of amino acids with Au nanoparticles. *Soft Matter*, **2011**, 7, 6532	3.6	4
18	Multimodal imaging probes based on Gd-DOTA conjugated quantum dot nanomicelles. *Analyst, The* , **2011**, 136, 1881-6	5	35
17	Doxorubicin-conjugated quantum dots to target alveolar macrophages and inflammation. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2011**, 7, 88-96	6	70
16	Synthesis of cRGD-peptide conjugated near-infrared CdTe/ZnSe core-shell quantum dots for in vivo cancer targeting and imaging. *Chemical Communications*, **2010**, 46, 7136-8	5.8	49
15	Biocompatible magnetofluorescent probes: luminescent silicon quantum dots coupled with superparamagnetic iron(III) oxide. *ACS Nano*, **2010**, 4, 5131-8	16.7	215

14	Functionalized near-infrared quantum dots for in vivo tumor vasculature imaging. *Nanotechnology*, **2010**, 21, 145105	3.4	51
13	Aqueous-phase synthesis of highly luminescent CdTe/ZnTe core/shell quantum dots optimized for targeted bioimaging. *Small*, **2009**, 5, 1302-10	11	164
12	Nanoparticle enhanced surface plasmon resonance biosensing: application of gold nanorods. *Optics Express*, **2009**, 17, 19041-6	3.3	65
11	Imaging pancreatic cancer using bioconjugated InP quantum dots. *ACS Nano*, **2009**, 3, 502-10	16.7	294
10	Optically and Magnetically Doped Organically Modified Silica Nanoparticles as Efficient Magnetically Guided Biomarkers for Two-Photon Imaging of Live Cancer Cells *Journal of Physical Chemistry C*, **2008**, 112, 7972-7977	3.8	109
9	Wide dynamic range phase-sensitive surface plasmon resonance biosensor based on measuring the modulation harmonics. *Biosensors and Bioelectronics*, **2007**, 23, 627-32	11.8	46
8	Gold Nanorods Coated with Multilayer Polyelectrolyte as Contrast Agents for Multimodal Imaging. *Journal of Physical Chemistry C*, **2007**, 111, 12552-12557	3.8	194
7	A vortex pump-based optically-transparent microfluidic platform for biotech and medical applications. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, **2007**, 221, 129-41	1.7	12
6	Phase-sensitive time-modulated surface plasmon resonance polarimetry for wide dynamic range biosensing. *Optics Express*, **2007**, 15, 1745-54	3.3	88
5	Two-dimensional biosensor arrays based on surface plasmon resonance phase imaging. *Applied Optics*, **2007**, 46, 2325-32	1.7	34
4	Phase-sensitive surface plasmon resonance biosensor using the photoelastic modulation technique. *Sensors and Actuators B: Chemical*, **2006**, 114, 80-84	8.5	48
3	Real-time optical biosensor based on differential phase measurement of surface plasmon resonance. *Biosensors and Bioelectronics*, **2005**, 20, 2177-80	11.8	32
2	Highly sensitive differential phase-sensitive surface plasmon resonance biosensor based on the Mach-Zehnder configuration. *Optics Letters*, **2004**, 29, 2378-80	3	234
1	Two dimensional phase sensitive surface plasmon resonance biosensor array using microfluidic flow circuit platform		1