Penghui Li

List of Publications by Citations

72 papers	3,176 citations	30 h-index	55 g-index
74 ext. papers	3,668 ext. citations	7 avg, IF	5.06 L-index

#	Paper	IF	Citations
72	Surface Coordination of Black Phosphorus for Robust Air and Water Stability. *Angewandte Chemie - International Edition*, **2016**, 55, 5003-7	16.4	406
71	Cytocompatibility, osseointegration, and bioactivity of three-dimensional porous and nanostructured network on polyetheretherketone. *Biomaterials*, **2013**, 34, 9264-77	15.6	229
70	Small gold nanorods laden macrophages for enhanced tumor coverage in photothermal therapy. *Biomaterials*, **2016**, 74, 144-54	15.6	209
69	Gold-nanorods-siRNA nanoplex for improved photothermal therapy by gene silencing. *Biomaterials*, **2016**, 78, 27-39	15.6	167
68	Evaporative Self-Assembly of Gold Nanorods into Macroscopic 3D Plasmonic Superlattice Arrays. *Advanced Materials*, **2016**, 28, 2511-7	24	134
67	Designing Core-Shell Gold and Selenium Nanocomposites for Cancer Radiochemotherapy. *ACS Nano*, **2017**, 11, 4848-4858	16.7	124
66	Magnetite-loaded fluorine-containing polymeric micelles for magnetic resonance imaging and drug delivery. *Biomaterials*, **2012**, 33, 3013-24	15.6	118
65	Engineering and functionalization of biomaterials via surface modification. *Journal of Materials Chemistry B*, **2015**, 3, 2024-2042	7.3	111
64	PLLA nanofibrous paper-based plasmonic substrate with tailored hydrophilicity for focusing SERS detection. *ACS Applied Materials & Interfaces*, **2015**, 7, 5391-9	9.5	93
63	Surface Coordination of Black Phosphorus for Robust Air and Water Stability. *Angewandte Chemie*, **2016**, 128, 5087-5091	3.6	92
62	Recent advances in multifunctional magnetic nanoparticles and applications to biomedical diagnosis and treatment. *RSC Advances*, **2013**, 3, 10598	3.7	80
61	Magnetic, fluorescent, and thermo-responsive Fe(3)O(4)/rare earth incorporated poly(St-NIPAM) core-shell colloidal nanoparticles in multimodal optical/magnetic resonance imaging probes. *Biomaterials*, **2013**, 34, 2296-306	15.6	72
60	Folate-bovine serum albumin functionalized polymeric micelles loaded with superparamagnetic iron oxide nanoparticles for tumor targeting and magnetic resonance imaging. *Acta Biomaterialia*, **2015**, 15, 117-26	10.8	67
59	Self-assembled magnetic fluorescent polymeric micelles for magnetic resonance and optical imaging. *Biomaterials*, **2014**, 35, 344-55	15.6	66
58	The evolution of gadolinium based contrast agents: from single-modality to multi-modality. *Nanoscale*, **2016**, 8, 10491-510	7.7	58
57	Linker-free covalent immobilization of heparin, SDF-1□and CD47 on PTFE surface for antithrombogenicity, endothelialization and anti-inflammation. *Biomaterials*, **2017**, 140, 201-211	15.6	55
56	Efficient Enrichment and Self-Assembly of Hybrid Nanoparticles into Removable and Magnetic SERS Substrates for Sensitive Detection of Environmental Pollutants. *ACS Applied Materials & Interfaces*, **2017**, 9, 7472-7480	9.5	54

55	Electrostatic Self-Assembly of TiCT MXene and Gold Nanorods as an Efficient Surface-Enhanced Raman Scattering Platform for Reliable and High-Sensitivity Determination of Organic Pollutants. *ACS Sensors*, **2019**, 4, 2303-2310	9.2	53
54	Surface nano-architectures and their effects on the mechanical properties and corrosion behavior of Ti-based orthopedic implants. *Surface and Coatings Technology*, **2013**, 233, 13-26	4.4	51
53	Tuning the surface immunomodulatory functions of polyetheretherketone for enhanced osseointegration. *Biomaterials*, **2020**, 230, 119642	15.6	51
52	Indocyanine green-loaded gold nanostars for sensitive SERS imaging and subcellular monitoring of photothermal therapy. *Nanoscale*, **2017**, 9, 11888-11901	7.7	48
51	Eelectrochemical properties and corrosion resistance of carbon-ion-implanted magnesium. *Corrosion Science*, **2014**, 82, 173-179	6.8	46
50	Fundamentals and applications of surface-enhanced Raman spectroscopy-based biosensors. *Current Opinion in Biomedical Engineering*, **2020**, 13, 51-59	4.4	42
49	Metabolizable Small Gold Nanorods: Size-dependent Cytotoxicity, Cell Uptake and Biodistribution. *ACS Biomaterials Science and Engineering*, **2016**, 2, 789-797	5.5	41
48	Fluorescent magnetic Fe3 O4 /rare Earth colloidal nanoparticles for dual-modality imaging. *Small*, **2013**, 9, 2991-3000	11	40
47	Electrochemically deposited chitosan/Ag complex coatings on biomedical NiTi alloy for antibacterial application. *Surface and Coatings Technology*, **2013**, 232, 370-375	4.4	38
46	Thermosensitive poly(N-isopropylacrylamide-co-glycidyl methacrylate) microgels for controlled drug release. *Colloids and Surfaces B: Biointerfaces*, **2013**, 101, 251-5	6	38
45	Dual-Stimuli-Responsive, Polymer-Microsphere-Encapsulated CuS Nanoparticles for Magnetic Resonance Imaging Guided Synergistic Chemo-Photothermal Therapy. *ACS Biomaterials Science and Engineering*, **2017**, 3, 1690-1701	5.5	37
44	Synthesis of bright upconversion submicrocrystals for high-contrast imaging of latent-fingerprints with cyanoacrylate fuming. *RSC Advances*, **2015**, 5, 79525-79531	3.7	35
43	Evaluation of corrosion resistance and cytocompatibility of graded metal carbon film on Ti and NiTi prepared by hybrid cathodic arc/glow discharge plasma-assisted chemical vapor deposition. *Corrosion Science*, **2015**, 97, 126-138	6.8	32
42	Improved corrosion resistance on biodegradable magnesium by zinc and aluminum ion implantation. *Applied Surface Science*, **2012**, 263, 608-612	6.7	28
41	Degradable and Photocatalytic Antibacterial Au-TiO2/Sodium Alginate Nanocomposite Films for Active Food Packaging. *Nanomaterials*, **2018**, 8,	5.4	27
40	Synergistic Antibacterial Activity of Black Phosphorus Nanosheets Modified with Titanium Aminobenzenesulfanato Complexes. *ACS Applied Nano Materials*, **2019**, 2, 1202-1209	5.6	25
39	In situ random co-polycondensation for preparation of reduced graphene oxide/polyimide nanocomposites with amino-modified and chemically reduced graphene oxide. *Journal of Materials Science*, **2015**, 50, 3860-3874	4.3	25
38	Enhanced corrosion resistance and hemocompatibility of biomedical NiTi alloy by atmospheric-pressure plasma polymerized fluorine-rich coating. *Applied Surface Science*, **2014**, 297, 109-115	6.7	24

37	3D-printed nanocomposite scaffolds with tunable magnesium ionic microenvironment induce in situ bone tissue regeneration. *Applied Materials Today*, **2019**, 16, 493-507	6.6	20
36	Synthesis of hollow rare-earth compound nanoparticles by a universal sacrificial template method. *CrystEngComm*, **2014**, 16, 6141-6148	3.3	19
35	Trifunctional Polymeric Nanocomposites Incorporated with Fe3O4/Iodine-Containing Rare Earth Complex for Computed X-ray Tomography, Magnetic Resonance, and Optical Imaging. *ACS Applied Materials & Interfaces*, **2015**, 7, 24523-32	9.5	18
34	WO3 nanoparticles decorated core-shell TiC-C nanofiber arrays for high sensitive and non-enzymatic photoelectrochemical biosensing. *Chemical Communications*, **2013**, 49, 7091-3	5.8	18
33	Rapid identification of two-dimensional materials via machine learning assisted optic microscopy. *Journal of Materiomics*, **2019**, 5, 413-421	6.7	17
32	Effects of silver plasma immersion ion implantation on the surface characteristics and cytocompatibility of titanium nitride films. *Surface and Coatings Technology*, **2015**, 279, 166-170	4.4	17
31	Elastic properties and intrinsic strength of two-dimensional InSe flakes. *Nanotechnology*, **2019**, 30, 335703	3.4	16
30	Competitive reaction pathway for site-selective conjugation of Raman dyes to hotspots on gold nanorods for greatly enhanced SERS performance. *Small*, **2014**, 10, 4012-9	11	16
29	Smart polymeric particle encapsulated gadolinium oxide and europium: theranostic probes for magnetic resonance/optical imaging and antitumor drug delivery. *Journal of Materials Chemistry B*, **2016**, 4, 1100-1107	7.3	14
28	Effects of carbon dioxide plasma immersion ion implantation on the electrochemical properties of AZ31 magnesium alloy in physiological environment. *Applied Surface Science*, **2013**, 286, 257-260	6.7	14
27	Europium-phenolic network coated BaGdF nanocomposites for tri-modal computed tomography/magnetic resonance/luminescence imaging. *Journal of Materials Science: Materials in Medicine*, **2017**, 28, 74	4.5	13
26	In vitro corrosion inhibition on biomedical shape memory alloy by plasma-polymerized allylamine film. *Materials Letters*, **2012**, 89, 51-54	3.3	13
25	Synthesis and characterization of fluorescent copolymer containing rare earth metal complex and its interaction with DNA. *Journal of Polymer Science Part A*, **2010**, 48, 5961-5967	2.5	13
24	Magnetic, fluorescent, and thermo-responsive poly(MMA-NIPAM-Tb(AA)3Phen)/Fe3O4 multifunctional nanospheres prepared by emulsifier-free emulsion polymerization. *Journal of Biomaterials Applications*, **2015**, 30, 201-11	2.9	12
23	Improved corrosion resistance of Mg-Y-RE alloy coated with niobium nitride. *Thin Solid Films*, **2014**, 572, 85-90	2.2	12
22	Template growth of Au/Ag nanocomposites on phosphorene for sensitive SERS detection of pesticides. *Nanotechnology*, **2019**, 30, 275604	3.4	11
21	Antimicrobial activity of nisin-coated polylactic acid film facilitated by cold plasma treatment. *Journal of Applied Polymer Science*, **2018**, 135, 46844	2.9	11
20	Supermolecular theranostic capsules for pH-sensitive magnetic resonance imaging and multi-responsive drug delivery. *Journal of Materials Chemistry B*, **2015**, 3, 8499-8507	7.3	10

19	Atomic layer deposition of Pt nanoparticles on ZrO2 based metal-organic frameworks for increased photocatalytic activity. *Ceramics International*, **2019**, 45, 18128-18134	5.1	9
18	Effects of chromium ion implantation voltage on the corrosion resistance and cytocompatibility of dual chromium and oxygen plasma-ion-implanted biodegradable magnesium. *Surface and Coatings Technology*, **2013**, 235, 875-880	4.4	9
17	Nisin-loaded polydopamine/hydroxyapatite composites: Biomimetic synthesis, and in vitro bioactivity and antibacterial activity evaluations. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 602, 125101	5.1	8
16	Paramagnetic, pH and temperature-sensitive polymeric particles for anticancer drug delivery and brain tumor magnetic resonance imaging. *RSC Advances*, **2015**, 5, 87512-87520	3.7	7
15	Microporous N-doped carbon film produced by cold atmospheric plasma jet and its cell compatibility. *Vacuum*, **2014**, 108, 27-34	3.7	7
14	Effects of N 2 /O 2 flow rate on the surface properties and biocompatibility of nano-structured TiO x N y thin films prepared by high vacuum magnetron sputtering. *Chinese Physics B*, **2015**, 24, 075202	1.2	6
13	Drawing-fabrication of multifarious nanoplasmonic platform on PLLA paper for optimized SERS performance. *Journal of Raman Spectroscopy*, **2016**, 47, 687-691	2.3	6
12	Enhanced Bioactivity of Biomedical NiTi Through Surface Plasma Polymerization. *Nanoscience and Nanotechnology Letters*, **2015**, 7, 220-225	0.8	6
11	Silicon Carbide Supported Palladium-Iridium Bimetallic Catalysts for Efficient Selective Hydrogenation of Cinnamaldehyde. *Chinese Journal of Chemistry*, **2020**, 38, 367-371	4.9	6
10	Rapid and sensitive detection of pesticide residues using dynamic surface-enhanced Raman spectroscopy. *Journal of Raman Spectroscopy*, **2020**, 51, 611-618	2.3	5
9	Morphological control of gold nanorods via thermally driven bi-surfactant growth and application for detection of heavy metal ions. *Nanotechnology*, **2018**, 29, 334001	3.4	5
8	Preparation, characterization of cationic terbium luminescent copolymer and its interaction with DNA. *Colloid and Polymer Science*, **2011**, 289, 1459-1468	2.4	5
7	An amperometric biosensor based on CuO@Au nanocomposites for the detection of galectin-1 via lactose-galectin interactions. *Nanotechnology*, **2019**, 30, 485706	3.4	4
6	Cationic Lanthanide Luminescent Copolymer: Design, Synthesis and Interaction with DNA. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2011**, 48, 832-839	2.2	4
5	Transformation of Enhanced Glow Discharge Dynamics in Nitrogen Plasma Immersion Ion Implantation. *IEEE Transactions on Plasma Science*, **2013**, 41, 553-558	1.3	2
4	Facile preparation of cationic P (St-BA-METAC) copolymer nanoparticles and the investigation of their interaction with bovine serum albumin. *Journal of Applied Polymer Science*, **2012**, 125, 864-869	2.9	2
3	CATIONIC FLUORINATED ACRYLATE COPOLYMER EMULSION PREPARED BY MINIEMULSION POLYMERIZATION. *Acta Polymerica Sinica*, **2009**, 009, 309-316		2
2	Gold Nanorods: Evaporative Self-Assembly of Gold Nanorods into Macroscopic 3D Plasmonic Superlattice Arrays (Adv. Mater. 13/2016). *Advanced Materials*, **2016**, 28, 2466-2466	24	1

1 R□ktitelbild: Surface Coordination of Black Phosphorus for Robust Air and Water Stability (Angew. Chem. 16/2016). *Angewandte Chemie*, **2016**, 128, 5182-5182 3.6