

Mary B Chan-Park

List of Publications by Year in descending order

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Version: 2024-02-01

270
papers

15,520
citations

20817

60
h-index

22166

113
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273
all docs

273
docs citations

273
times ranked

22186
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymers as advanced antibacterial and antibiofilm agents for direct and combination therapies. <i>Chemical Science</i> , 2022, 13, 345-364.	7.4	74
2	Colorimetric Sensors Based on Multifunctional Polymers for Highly Sensitive Detection of Food Spoilage. <i>ACS Food Science & Technology</i> , 2022, 2, 703-711.	2.7	6
3	Caging Cationic Polymer Brush-Coated Plasmonic Nanostructures for Traceable Selective Antimicrobial Activities. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100812.	3.9	4
4	Smart Multifunctional Polymer Systems as Alternatives or Supplements of Antibiotics To Overcome Bacterial Resistance. <i>Biomacromolecules</i> , 2022, 23, 1873-1891.	5.4	16
5	Robust non-toxic macroscale beads with antibacterial and contaminant scavenging properties for aquaculture. <i>Aquaculture</i> , 2022, , 738442.	3.5	0
6	Metabolic Labeling Mediated Targeting and Thermal Killing of Gram-Positive Bacteria by Self-Reporting Janus Magnetic Nanoparticles. <i>Small</i> , 2021, 17, e2006357.	10.0	40
7	Nontoxic Antimicrobial Cationic Peptide Nanoconstructs with Bacteria-Displaceable Polymeric Counteranions. <i>Nano Letters</i> , 2021, 21, 899-906.	9.1	16
8	Antimicrobial Effect of a Novel Chitosan Derivative and Its Synergistic Effect with Antibiotics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3237-3245.	8.0	57
9	Synthesis of dimeric and tetrameric trithiomannoside clusters through convenient photoinitiated thiol-ene click protocol for efficient inhibition of gram-negative bacteria. <i>Journal of Carbohydrate Chemistry</i> , 2021, 40, 83-96.	1.1	0
10	DNA-derived nanostructures selectively capture gram-positive bacteria. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1438-1450.	5.8	3
11	Cyanine-Dyad Molecular Probe for the Simultaneous Profiling of the Evolution of Multiple Radical Species During Bacterial Infections. <i>Angewandte Chemie</i> , 2021, 133, 17037-17042.	2.0	4
12	Cyanine-Dyad Molecular Probe for the Simultaneous Profiling of the Evolution of Multiple Radical Species During Bacterial Infections. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16900-16905.	13.8	48
13	Mixed-charge pseudo-zwitterionic copolymer brush as broad spectrum antibiofilm coating. <i>Biomaterials</i> , 2021, 273, 120794.	11.4	24
14	High-Density Three-Dimensional Network of Covalently Linked Nitric Oxide Donors to Achieve Antibacterial and Antibiofilm Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33745-33755.	8.0	12
15	Nanosensor Detection of Synthetic Auxins <i>In Planta</i> using Corona Phase Molecular Recognition. <i>ACS Sensors</i> , 2021, 6, 3032-3046.	7.8	32
16	Antibiofilm Activity of Gallium(III) Complexed Anionic Polymers in Combination with Antibiotics. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2100255.	3.9	1
17	Smart nanomicelles with bacterial infection-responsive disassembly for selective antimicrobial applications. <i>Biomaterials Science</i> , 2021, 9, 1627-1638.	5.4	17
18	Cationic Glycosylated Block Co- β -peptide Acts on the Cell Wall of Gram-Positive Bacteria as Anti-biofilm Agents. <i>ACS Applied Bio Materials</i> , 2021, 4, 3749-3761.	4.6	8

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19	Enzyme- and Relative Humidity-Responsive Antimicrobial Fibers for Active Food Packaging. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50298-50308.	8.0	33
20	The Mechanisms and the Applications of Antibacterial Polymers in Surface Modification on Medical Devices. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 910.	4.1	92
21	Development of Biodegradable and Antimicrobial Electrospun Zein Fibers for Food Packaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15354-15365.	6.7	63
22	Functional Polymers and Polymer-Dye Composites for Food Sensing. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000279.	3.9	9
23	Novel Antimicrobial Coating on Silicone Contact Lens Using Glycidyl Methacrylate and Polyethyleneimine Based Polymers. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000175.	3.9	17
24	Precisely Structured Nitric-Oxide-Releasing Copolymer Brush Defeats Broad-Spectrum Catheter-Associated Biofilm Infections <i>in Vivo</i> . <i>ACS Central Science</i> , 2020, 6, 2031-2045.	11.3	41
25	Hierarchical Porous Carbon for High-Performance Capacitive Desalination of Brackish Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9291-9300.	6.7	34
26	Highly selective detection of an organophosphorus pesticide, methyl parathion, using Ag-ZnO-SWCNT based field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8864-8875.	5.5	15
27	<i>Enterococcus faecalis</i> Adapts to Antimicrobial Conjugated Oligoelectrolytes by Lipid Rearrangement and Differential Expression of Membrane Stress Response Genes. <i>Frontiers in Microbiology</i> , 2020, 11, 155.	3.5	13
28	Combined Efficacy of an Antimicrobial Cationic Peptide Polymer with Conventional Antibiotics to Combat Multidrug-Resistant Pathogens. <i>ACS Infectious Diseases</i> , 2020, 6, 1228-1237.	3.8	41
29	Fast-Bactericidal Effect of Polyion Complex Nanoparticles on Gram-Negative Bacteria. <i>ACS Applied Nano Materials</i> , 2020, 3, 2654-2664.	5.0	8
30	Synthetic biohybrid peptidoglycan oligomers enable pan-bacteria-specific labeling and imaging: <i>in vitro</i> and <i>in vivo</i> . <i>Chemical Science</i> , 2020, 11, 3171-3179.	7.4	7
31	Biguanide-Derived Polymeric Nanoparticles Kill MRSA Biofilm and Suppress Infection <i>In Vivo</i> . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21231-21241.	8.0	44
32	A Glycosylated Cationic Block Poly(peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gram-Negative Bacteria. <i>Angewandte Chemie</i> , 2020, 132, 6886-6893.	2.0	11
33	Multifunctional Glyco-Nanosheets to Eradicate Drug-Resistant Bacteria on Wounds. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000265.	7.6	33
34	Real-time detection of wound-induced H ₂ O ₂ signalling waves in plants with optical nanosensors. <i>Nature Plants</i> , 2020, 6, 404-415.	9.3	157
35	A Glycosylated Cationic Block Poly(peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gram-Negative Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6819-6826.	13.8	63
36	Designer broad-spectrum polyimidazolium antibiotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31376-31385.	7.1	31

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37	Antimicrobial Peptide-Reduced Gold Nanoclusters with Charge-Reversal Moieties for Bacterial Targeting and Imaging. <i>Biomacromolecules</i> , 2019, 20, 2922-2933.	5.4	59
38	Enantiomeric glycosylated cationic block co-beta-peptides eradicate <i>Staphylococcus aureus</i> biofilms and antibiotic-tolerant persisters. <i>Nature Communications</i> , 2019, 10, 4792.	12.8	88
39	Measuring the Accessible Surface Area within the Nanoparticle Corona Using Molecular Probe Adsorption. <i>Nano Letters</i> , 2019, 19, 7712-7724.	9.1	20
40	Synthesis of epoxidized poly(ester carbonate)- <i>b</i> -polyimide- <i>b</i> -poly(ester carbonate): reactive single-walled carbon nanotube dispersants enable synergistic reinforcement around multi-walled nanotube-grafted carbon fibers. <i>Polymer Chemistry</i> , 2019, 10, 1324-1334.	3.9	3
41	Glycosylated Copper Sulfide Nanocrystals for Targeted Photokilling of Bacteria in the Near-Infrared II Window. <i>Advanced Therapeutics</i> , 2019, 2, 1900052.	3.2	14
42	Electrochemical Detection of Uric Acid on Exfoliated Nanosheets of Graphitic-Like Carbon Nitride (g-C ₃ N ₄) Based Sensor. <i>Journal of the Electrochemical Society</i> , 2019, 166, B3163-B3170.	2.9	51
43	The Necessity of <i>d</i> -Thr in the New Antibiotic Teixobactin: A Molecular Dynamics Study. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 1575-1583.	5.4	2
44	Synthesis of Antibacterial Glycosylated Polycaprolactones Bearing Imidazoliums with Reduced Hemolytic Activity. <i>Biomacromolecules</i> , 2019, 20, 949-958.	5.4	36
45	(Keynote) Facile Sorting of Single Walled Carbon Nanotubes According to Their Electronic Types. ECS Meeting Abstracts, 2019, .	0.0	0
46	Chitosan-Based Peptidopolysaccharides as Cationic Antimicrobial Agents and Antibacterial Coatings. <i>Biomacromolecules</i> , 2018, 19, 2156-2165.	5.4	108
47	Supramolecular self-assembly of poly(ethylene glycol)- <i>b</i> -poly(L-lysine) and EDTA into nanofibers and their synergistic inhibition of <i>Escherichia coli</i> proliferation. <i>Materials Letters</i> , 2018, 223, 69-72.	2.6	11
48	Nacre Mimetic with Embedded Silver Nanowire for Resistive Heating. <i>ACS Applied Nano Materials</i> , 2018, 1, 940-952.	5.0	14
49	Magnetic nanochain integrated microfluidic biochips. <i>Nature Communications</i> , 2018, 9, 1743.	12.8	94
50	Raman-encoded, multivalent glycan-nanoconjugates for traceable specific binding and killing of bacteria. <i>Biomaterials Science</i> , 2018, 6, 1339-1346.	5.4	14
51	Oxadiazabicyclooctenone as a versatile monomer for the construction of pH sensitive functional polymers <i>via</i> ROMP. <i>Polymer Chemistry</i> , 2018, 9, 372-377.	3.9	18
52	Zwitterionic Polymer Modified Porous Carbon for High-Performance and Antifouling Capacitive Desalination. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33564-33573.	8.0	27
53	Hydrogel Effects Rapid Biofilm Debridement with <i>ex situ</i> Contact-Kill to Eliminate Multidrug Resistant Bacteria <i>in vivo</i> . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20356-20367.	8.0	51
54	Membrane adaptation limitations in <i>Enterococcus faecalis</i> underlie sensitivity and the inability to develop significant resistance to conjugated oligoelectrolytes. <i>RSC Advances</i> , 2018, 8, 10284-10293.	3.6	15

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55	Block Copolymer Nanoparticles Remove Biofilms of Drug-Resistant Gram-Positive Bacteria by Nanoscale Bacterial Debridement. <i>Nano Letters</i> , 2018, 18, 4180-4187.	9.1	113
56	High Interlaminar Shear Strength Enhancement of Carbon Fiber/Epoxy Composite through Fiber- and Matrix-Anchored Carbon Nanotube Networks. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8960-8966.	8.0	126
57	Using Diphenylphosphoryl Azide (DPPA) for the Facile Synthesis of Biodegradable Antiseptic Random Copolypeptides. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600601.	3.9	6
58	Increasing bacterial affinity and cytocompatibility with four-arm star glycopolymers and antimicrobial $\hat{\pm}$ -polylysine. <i>Polymer Chemistry</i> , 2017, 8, 3364-3373.	3.9	67
59	Synthesis and Antibacterial Study of Sulfobetaine/Quaternary Ammonium-Modified Star-Shaped Poly[2-(dimethylamino)ethyl methacrylate]-Based Copolymers with an Inorganic Core. <i>Biomacromolecules</i> , 2017, 18, 44-55.	5.4	51
60	Synthesis of polycaprolactone-polyimide-polycaprolactone triblock copolymers <i>via</i> a 2-step sequential copolymerization and their application as carbon nanotube dispersants. <i>Polymer Chemistry</i> , 2017, 8, 674-681.	3.9	16
61	A minimalist approach to stereoselective glycosylation with unprotected donors. <i>Nature Communications</i> , 2017, 8, 1146.	12.8	27
62	In Vivo Anti-Biofilm and Anti-Bacterial Non-Leachable Coating Thermally Polymerized on Cylindrical Catheter. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36269-36280.	8.0	93
63	Nanoparticles of Short Cationic Peptidopolysaccharide Self-Assembled by Hydrogen Bonding with Antibacterial Effect against Multidrug-Resistant Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38288-38303.	8.0	67
64	Binding Modes of Teixobactin to Lipid II: Molecular Dynamics Study. <i>Scientific Reports</i> , 2017, 7, 17197.	3.3	18
65	Totally embedded hybrid thin films of carbon nanotubes and silver nanowires as flat homogenous flexible transparent conductors. <i>Scientific Reports</i> , 2016, 6, 38453.	3.3	31
66	Flexible 3D Nanoporous Graphene for Desalination and Bio-decontamination of Brackish Water <i>via</i> Asymmetric Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25313-25325.	8.0	123
67	Biomaterials patterned with discontinuous microwalls for vascular smooth muscle cell culture: biodegradable small diameter vascular grafts and stable cell culture substrates. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 1477-1494.	3.5	9
68	Conjugation of Polyphosphoester and Antimicrobial Peptide for Enhanced Bactericidal Activity and Biocompatibility. <i>Biomacromolecules</i> , 2016, 17, 4037-4044.	5.4	43
69	Application of Chemical Force Microscopy for Finding Selective Functional Groups for Discriminating Different Electronic Type Single-Walled Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23338-23347.	8.0	3
70	Modulating Antimicrobial Activity and Mammalian Cell Biocompatibility with Glucosamine-Functionalized Star Polymers. <i>Biomacromolecules</i> , 2016, 17, 1170-1178.	5.4	82
71	Selective Surface Charge Sign Reversal on Metallic Carbon Nanotubes for Facile Ultrahigh Purity Nanotube Sorting. <i>ACS Nano</i> , 2016, 10, 3222-3232.	14.6	49
72	Cationic polycarbonate-grafted superparamagnetic nanoparticles with synergistic dual-modality antimicrobial activity. <i>Biomaterials Science</i> , 2016, 4, 871-879.	5.4	42

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73	Reducing graphene oxide with a modified Birch reaction. RSC Advances, 2015, 5, 11124-11127.	3.6	8
74	Surface enhanced Raman scattering by graphene-nanosheet-gapped plasmonic nanoparticle arrays for multiplexed DNA detection. Nanoscale, 2015, 7, 12606-12613.	5.6	54
75	Carbon Nanotube Driver Circuit for 6 Å— 6 Organic Light Emitting Diode Display. Scientific Reports, 2015, 5, 11755.	3.3	38
76	Lateral assembly of oxidized graphene flakes into large-scale transparent conductive thin films with a three-dimensional surfactant 4-sulfocalix[4]arene. Scientific Reports, 2015, 5, 10716.	3.3	29
77	Varying the ionic functionalities of conjugated polyelectrolytes leads to both p- and n-type carbon nanotube composites for flexible thermoelectrics. Energy and Environmental Science, 2015, 8, 2341-2346.	30.8	102
78	Regenerating the cell resistance of micromolded PEG hydrogels. Lab on A Chip, 2015, 15, 2073-2089.	6.0	19
79	Modified chitosan emulsifiers: small compositional changes produce vastly different high internal phase emulsion types. Journal of Materials Chemistry B, 2015, 3, 4118-4122.	5.8	16
80	High-Performance Capacitive Deionization Disinfection of Water with Graphene Oxide- <i>graft</i> -Quaternized Chitosan Nanohybrid Electrode Coating. ACS Nano, 2015, 9, 10142-57.	14.6	95
81	Injectable, Interconnected, High- ϵ Porosity Macroporous Biocompatible Gelatin Scaffolds Made by Surfactant-Free Emulsion Templating. Macromolecular Rapid Communications, 2015, 36, 364-372.	3.9	53
82	Gel electrophoresis using a selective radical for the separation of single-walled carbon nanotubes. Faraday Discussions, 2014, 173, 351-363.	3.2	20
83	Collective cell traction force analysis on aligned smooth muscle cell sheet between three-dimensional microwalls. Interface Focus, 2014, 4, 20130056.	3.0	11
84	Direct Intermolecular Force Measurements between Functional Groups and Individual Metallic or Semiconducting Single-Walled Carbon Nanotubes. Small, 2014, 10, 750-757.	10.0	7
85	Enhanced <i>ex vivo</i> expansion of adult mesenchymal stem cells by fetal mesenchymal stem cell ECM. Biomaterials, 2014, 35, 4046-4057.	11.4	123
86	Development of high refractive ZnS/PVP/PDMAA hydrogel nanocomposites for artificial cornea implants. Acta Biomaterialia, 2014, 10, 1167-1176.	8.3	43
87	Electronic Properties of Conjugated Polyelectrolyte/Single-Walled Carbon Nanotube Composites. Advanced Materials, 2014, 26, 4697-4703.	21.0	11
88	High Internal Phase Emulsion Templating with Self-Emulsifying and Thermoresponsive Chitosan- <i>graft</i> -PNIPAM- <i>graft</i> -Oligoproline. Biomacromolecules, 2014, 15, 1777-1787.	5.4	57
89	Three-Dimensional Macroporous Graphene Foam Filled with Mesoporous Polyaniline Network for High Areal Capacitance. ACS Sustainable Chemistry and Engineering, 2014, 2, 2291-2296.	6.7	62
90	Combining cell sheet technology and electrospun scaffolding for engineered tubular, aligned, and contractile blood vessels. Biomaterials, 2014, 35, 2713-2719.	11.4	101

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91	Solution-processed flexible transparent conductors based on carbon nanotubes and silver grid hybrid films. <i>Nanoscale</i> , 2014, 6, 4560-4565.	5.6	22
92	Development of optically transparent ZnS/poly(vinylpyrrolidone) nanocomposite films with high refractive indices and high Abbe numbers. <i>Journal of Applied Polymer Science</i> , 2013, 129, 1793-1798.	2.6	14
93	In Situ Charge-Transfer-Induced Transition from Metallic to Semiconducting Single-Walled Carbon Nanotubes. <i>Chemistry of Materials</i> , 2013, 25, 4464-4470.	6.7	9
94	High capacitive performance of flexible and binder-free graphene/polypyrrole composite membrane based on in situ reduction of graphene oxide and self-assembly. <i>Nanoscale</i> , 2013, 5, 9860.	5.6	93
95	High-strength carbon nanotube buckypaper composites as applied to free-standing electrodes for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4057.	10.3	83
96	Polymer removal from electronic grade single-walled carbon nanotubes after gel electrophoresis. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6813.	5.5	6
97	High-Performance Partially Aligned Semiconductive Single-Walled Carbon Nanotube Transistors Achieved with a Parallel Technique. <i>Small</i> , 2013, 9, 2960-2969.	10.0	21
98	Scalable and Effective Enrichment of Semiconducting Single-Walled Carbon Nanotubes by a Dual Selective Naphthalene-Based Azo Dispersant. <i>Journal of the American Chemical Society</i> , 2013, 135, 5569-5581.	13.7	36
99	Enzymeless multi-sugar fuel cells with high power output based on 3D graphene/Co ₃ O ₄ hybrid electrodes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9170.	2.8	42
100	Influence of contact height on the performance of vertically aligned carbon nanotube field-effect transistors. <i>Nanoscale</i> , 2013, 5, 2476.	5.6	3
101	High Water Content Hydrogel With Super High Refractive Index. <i>Macromolecular Bioscience</i> , 2013, 13, 1485-1491.	4.1	21
102	Synthesis of a MnO ₂ /graphene foam hybrid with controlled MnO ₂ particle shape and its use as a supercapacitor electrode. <i>Carbon</i> , 2012, 50, 4865-4870.	10.3	214
103	Hybrid structure of zinc oxide nanorods and three dimensional graphene foam for supercapacitor and electrochemical sensor applications. <i>RSC Advances</i> , 2012, 2, 4364.	3.6	285
104	Covalent cum Noncovalent Functionalizations of Carbon Nanotubes for Effective Reinforcement of a Solution Cast Composite Film. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2065-2073.	8.0	33
105	High Refractive Index Inorganic/Organic Interpenetrating Polymer Network (IPN) Hydrogel Nanocomposite toward Artificial Cornea Implants. <i>ACS Macro Letters</i> , 2012, 1, 876-881.	4.8	48
106	Finely Dispersed Single-Walled Carbon Nanotubes for Polysaccharide Hydrogels. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4610-4615.	8.0	22
107	Impact of Endothelial Cells on 3D Cultured Smooth Muscle Cells in a Biomimetic Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1378-1387.	8.0	31
108	Synthesis of graphene/carbon nanotube hybrid foam and its use as a novel three-dimensional electrode for electrochemical sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 17044.	6.7	197

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109	3D Grapheneâ€“Cobalt Oxide Electrode for High-Performance Supercapacitor and Enzymeless Glucose Detection. ACS Nano, 2012, 6, 3206-3213.	14.6	1,510
110	Macroporous and Monolithic Anode Based on Polyaniline Hybridized Three-Dimensional Graphene for High-Performance Microbial Fuel Cells. ACS Nano, 2012, 6, 2394-2400.	14.6	520
111	Superhydrophobic and superoleophilic hybrid foam of graphene and carbon nanotube for selective removal of oils or organic solvents from the surface of water. Chemical Communications, 2012, 48, 10660.	4.1	471
112	High-Performance Printed Carbon Nanotube Thin-Film Transistors Array Fabricated by a Nonlithography Technique Using Hafnium Oxide Passivation Layer and Mask. ACS Applied Materials & Interfaces, 2012, 4, 7047-7054.	8.0	14
113	Mild Bromination-Assisted Density-Gradient Ultracentrifugation to Sort Single-Walled Carbon Nanotubes by Metallicity. Journal of Physical Chemistry C, 2012, 116, 23027-23035.	3.1	5
114	High-Performance Inkjet Printed Carbon Nanotube Thin Film Transistors with High- ϵ HfO ₂ Dielectric on Plastic Substrate. Small, 2012, 8, 2941-2947.	10.0	28
115	Template-free synthesis of large anisotropic gold nanostructures on reduced graphene oxide. Nanoscale, 2012, 4, 3055.	5.6	28
116	Single-crystalline NiCo ₂ O ₄ nanoneedle arrays grown on conductive substrates as binder-free electrodes for high-performance supercapacitors. Energy and Environmental Science, 2012, 5, 9453.	30.8	754
117	Argon-Plasma-Induced Ultrathin Thermal Grafting of Thermoresponsive pNIPAm Coating for Contractile Patterned Human SMC Sheet Engineering. Macromolecular Bioscience, 2012, 12, 937-945.	4.1	23
118	High Selectivity cum Yield Gel Electrophoresis Separation of Single-Walled Carbon Nanotubes Using a Chemically Selective Polymer Dispersant. Journal of Physical Chemistry C, 2012, 116, 10266-10273.	3.1	29
119	Cationic Peptidopolysaccharides Show Excellent Broad-Spectrum Antimicrobial Activities and High Selectivity. Advanced Materials, 2012, 24, 4130-4137.	21.0	226
120	Nitrogen-Doped Carbon Nanotube-Based Bilayer Thin Film as Transparent Counter Electrode for Dye-Sensitized Solar Cells (DSSCs). Chemistry - an Asian Journal, 2012, 7, 541-545.	3.3	44
121	TiO ₂ Composing with Pristine, Metallic or Semiconducting Single-Walled Carbon Nanotubes: Which Gives the Best Performance for a Dye-Sensitized Solar Cell. ChemPhysChem, 2012, 13, 2566-2572.	2.1	31
122	On-chip diameter-dependent conversion of metallic to semiconducting single-walled carbon nanotubes by immersion in 2-ethylantraquinone. RSC Advances, 2012, 2, 1275-1281.	3.6	5
123	Biomechanical study of the edge outgrowth phenomenon of encapsulated chondrocytic isogenous groups in the surface layer of hydrogel scaffolds for cartilage tissue engineering. Acta Biomaterialia, 2012, 8, 244-252.	8.3	24
124	Synthesis and antitumor activity of lapathoside D and its analogs. European Journal of Medicinal Chemistry, 2012, 53, 1-12.	5.5	23
125	Supercapacitor electrode based on three-dimensional grapheneâ€“polyaniline hybrid. Materials Chemistry and Physics, 2012, 134, 576-580.	4.0	125
126	All-Printed Carbon Nanotube finFETs on Plastic Substrates for High-Performance Flexible Electronics. Advanced Materials, 2012, 24, 358-361.	21.0	36

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127	A micropatterning technique to fabricate organic thin-film transistors on various substrates. <i>Journal of Materials Chemistry</i> , 2011, 21, 16184.	6.7	7
128	Bright, dark, multiple optical pulses generation using a carbon-nanotube-deposited fiber device. , 2011, , .		0
129	Effect of Side-Chain Structure of Rigid Polyimide Dispersant on Mechanical Properties of Single-Walled Carbon Nanotube/Cyanate Ester Composite. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1702-1712.	8.0	30
130	Mobility Enhancement in Carbon Nanotube Transistors by Screening Charge Impurity with Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6975-6979.	3.1	15
131	Sorting of Single-Walled Carbon Nanotubes Based on Metallicity by Selective Precipitation with Polyvinylpyrrolidone. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5199-5206.	3.1	14
132	Adhesive-Free Transfer of Gold Patterns to PDMS-Based Nanocomposite Dielectric for Printed High-Performance Organic Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 1880-1886.	8.0	17
133	Resonance Energy Transfer (RET)-Induced Intermolecular Pairing Force: A Tunable Weak Interaction and Its Application in SWNT Separation. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8155-8166.	2.5	8
134	Magnetism in oxidized graphenes with hydroxyl groups. <i>Nanotechnology</i> , 2011, 22, 105702.	2.6	37
135	Ethanol-Assisted Graphene Oxide-Based Thin Film Formation at Pentane-Water Interface. <i>Langmuir</i> , 2011, 27, 9174-9181.	3.5	73
136	How carboxylic groups improve the performance of single-walled carbon nanotube electrochemical capacitors?. <i>Energy and Environmental Science</i> , 2011, 4, 4220.	30.8	119
137	Covalent immobilization of nisin on multi-walled carbon nanotubes: superior antimicrobial and anti-biofilm properties. <i>Nanoscale</i> , 2011, 3, 1874.	5.6	100
138	A polycationic antimicrobial and biocompatible hydrogel with microbe membrane suctioning ability. <i>Nature Materials</i> , 2011, 10, 149-156.	27.5	701
139	The formation of a carbon nanotube-graphene oxide core-shell structure and its possible applications. <i>Carbon</i> , 2011, 49, 5071-5078.	10.3	130
140	A graphene nanoribbon network and its biosensing application. <i>Nanoscale</i> , 2011, 3, 5156.	5.6	81
141	Hollow Fiber Membrane Decorated with Ag/MWNTs: Toward Effective Water Disinfection and Biofouling Control. <i>ACS Nano</i> , 2011, 5, 10033-10040.	14.6	217
142	Charge Transfer between Metal Clusters and Growing Carbon Structures in Chirality-Controlled Single-Walled Carbon Nanotube Growth. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1009-1014.	4.6	21
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