

Molecular Interactions Driving the Layer-by-Layer Ass

Chemical Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Layer-by-Layer Assembly of Biopolyelectrolytes onto Thermo/pH-Responsive Micro/Nano-Gels. <i>Materials</i> , 2014, 7, 7472-7512.	1.3	40
2	Controlling Effective Aspect Ratio and Packing of Clay with pH for Improved Gas Barrier in Nanobrick Wall Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22914-22919.	4.0	38
3	Synthesis of functionalized chromones via organocatalysis. <i>Tetrahedron</i> , 2014, 70, 9314-9320.	1.0	26
4	Tailored Freestanding Multilayered Membranes Based on Chitosan and Alginate. <i>Biomacromolecules</i> , 2014, 15, 3817-3826.	2.6	88
5	Bioactive Glass-Biopolymer Multilayer Coatings Fabricated by Electrophoretic Deposition Combined with Layer-by-Layer Assembly. <i>Key Engineering Materials</i> , 0, 654, 170-175.	0.4	4
6	Functional polyelectrolyte multilayer assemblies for surfaces with controlled wetting behavior. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	16
8	Contribution of counterions and degree of ionization for birefringence creation and relaxation kinetics parameters of PAH/PAZO films. <i>Journal of Applied Physics</i> , 2015, 118, 114504.	1.1	3
9	Bioactive Seed Layer for Surface-Confined Self-Assembly of Peptides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10198-10201.	7.2	53
10	Synthetic Covalent and Non-Covalent 2D Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13876-13894.	7.2	157
11	Hyaluronic Acid/Poly-L-Lysine Multilayers as Reservoirs for Storage and Release of Small Charged Molecules. <i>Macromolecular Bioscience</i> , 2015, 15, 1357-1363.	2.1	21
15	Healable, Transparent, Room-Temperature Electronic Sensors Based on Carbon Nanotube Network-Coated Polyelectrolyte Multilayers. <i>Small</i> , 2015, 11, 5807-5813.	5.2	151
16	Exceptional Flame Resistance and Gas Barrier with Thick Multilayer Nanobrick Wall Thin Films. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500214.	1.9	47
17	Nanoarchitectonics: a new materials horizon for nanotechnology. <i>Materials Horizons</i> , 2015, 2, 406-413.	6.4	270
18	Towards the design of 3D multiscale instructive tissue engineering constructs: Current approaches and trends. <i>Biotechnology Advances</i> , 2015, 33, 842-855.	6.0	49
19	Water-based chitosan/melamine polyphosphate multilayer nanocoating that extinguishes fire on polyester-cotton fabric. <i>Carbohydrate Polymers</i> , 2015, 130, 227-232.	5.1	79
20	Controllable assembly of silver nanoparticles induced by femtosecond laser direct writing. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 024805.	2.8	25
21	Architecture, Assembly, and Emerging Applications of Branched Functional Polyelectrolytes and Poly(ionic liquid)s. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12570-12596.	4.0	125
22	An interferon- β -delivery system based on chitosan/poly(β -glutamic acid) polyelectrolyte complexes modulates macrophage-derived stimulation of cancer cell invasion in vitro. <i>Acta Biomaterialia</i> , 2015, 23, 157-171.	4.1	45

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23	Versatile Method for Coating Surfaces with Functional and Responsive Polymer-Based Films. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27547-27553.	4.0	21
24	Stable Bioactive Enzyme-Containing Multilayer Films Based on Covalent Cross-Linking from Mussel-Inspired Adhesives. <i>Langmuir</i> , 2015, 31, 12447-12454.	1.6	15
25	Dip- and spin-assisted stereocomplexation-driven LbL self-assembly involving homochiral PVA-g-OLLA and PVA-g-ODLA copolymers. <i>RSC Advances</i> , 2015, 5, 107370-107377.	1.7	3
26	Fast Spray Deposition of Super Gas Barrier Polyelectrolyte Multilayer Thin Films. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5254-5260.	1.8	14
27	Layer-by-layer assembled cell instructive nanocoatings containing platelet lysate. <i>Biomaterials</i> , 2015, 48, 56-65.	5.7	48
28	Silver nanoparticle-coated <i>Escherichia coli</i> microorganisms: rapid assembly of polymer-stabilised nanoparticles on microbial cells. <i>RSC Advances</i> , 2015, 5, 13530-13537.	1.7	36
29	Assembly of cell-laden hydrogel fiber into non-liquefied and liquefied 3D spiral constructs by perfusion-based layer-by-layer technique. <i>Biofabrication</i> , 2015, 7, 011001.	3.7	27
30	Reversible Modification of Structure and Properties of Cellulose Nanofibril-Based Multilayered Thin Films Induced by Postassembly Acid Treatment. <i>Langmuir</i> , 2015, 31, 2800-2807.	1.6	5
31	Monoclonal Antibody-Functionalized Multilayered Particles: Targeting Cancer Cells in the Presence of Protein Coronas. <i>ACS Nano</i> , 2015, 9, 2876-2885.	7.3	99
32	Unraveling the Effect of the Hydration Level on the Molecular Mobility of Nanolayered Polymeric Systems. <i>Macromolecular Rapid Communications</i> , 2015, 36, 405-412.	2.0	18
33	Water-Based Melanin Multilayer Thin Films with Broadband UV Absorption. <i>ACS Macro Letters</i> , 2015, 4, 335-338.	2.3	18
34	Silicon Surface Modification and Characterization for Emergent Photovoltaic Applications Based on Energy Transfer. <i>Chemical Reviews</i> , 2015, 115, 12764-12796.	23.0	81
35	Multilevel and Multicomponent Layer-by-Layer Assembly for the Fabrication of Nanofibrillar Films. <i>ACS Nano</i> , 2015, 9, 7124-7132.	7.3	20
36	Ultrathin, freestanding, stimuli-responsive, porous membranes from polymer hydrogel-brushes. <i>Nanoscale</i> , 2015, 7, 13017-13025.	2.8	39
37	Layer-by-layer (LbL) assembly technology as promising strategy for tailoring pressure-driven desalination membranes. <i>Journal of Membrane Science</i> , 2015, 493, 428-443.	4.1	144
38	Pd(II)-Directed Encapsulation of Hydrogenase within the Layer-by-Layer Multilayers of Carbon Nanotube Polyelectrolyte Used as a Heterogeneous Catalyst for Oxidation of Hydrogen. <i>Langmuir</i> , 2015, 31, 6546-6553.	1.6	4
39	Drug nano-reservoirs synthesized using layer-by-layer technologies. <i>Biotechnology Advances</i> , 2015, 33, 1310-1326.	6.0	67
40	Ordered photo- and electroactive thin polymer layers. <i>European Polymer Journal</i> , 2015, 65, 155-170.	2.6	19

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41	Highly efficient synthesis of aldehydes by layer by layer multi-walled carbon nanotubes (MWCNTs) laccase mediator systems. <i>Applied Catalysis A: General</i> , 2015, 499, 77-88.	2.2	17
42	Halogen bonding in polymer science: from crystal engineering to functional supramolecular polymers and materials. <i>Polymer Chemistry</i> , 2015, 6, 3559-3580.	1.9	213
43	Sugar response of layer-by-layer films composed of poly(vinyl alcohol) and poly(amidoamine) dendrimer bearing 4-carboxyphenylboronic acid. <i>Colloid and Polymer Science</i> , 2015, 293, 1043-1048.	1.0	23
44	The assembly and photoelectronic property of reduced graphene oxide/porphyrin/phthalocyanine composite films. <i>RSC Advances</i> , 2015, 5, 42063-42068.	1.7	4
45	Chitosan- α -alginate multilayered films with gradients of physicochemical cues. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4555-4568.	2.9	42
46	Electrochemical nanoarchitectonics and layer-by-layer assembly: From basics to future. <i>Nano Today</i> , 2015, 10, 138-167.	6.2	284
47	π -Conjugated bis(terpyridine)metal complex molecular wires. <i>Chemical Society Reviews</i> , 2015, 44, 7698-7714.	18.7	133
48	Completely Organic Multilayer Thin Film with Thermoelectric Power Factor Rivaling Inorganic Tellurides. <i>Advanced Materials</i> , 2015, 27, 2996-3001.	11.1	213
49	pH Responsiveness of Multilayered Films and Membranes Made of Polysaccharides. <i>Langmuir</i> , 2015, 31, 11318-11328.	1.6	58
50	Amplified Responsiveness of Multilayered Polymer Grafts: Synergy between Brushes and Hydrogels. <i>Macromolecules</i> , 2015, 48, 7106-7116.	2.2	36
51	Molecular Recognition with Microporous Multilayer Films Prepared by Layer-by-Layer Assembly of Pillar[5]arenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 10962-10964.	6.6	107
52	Flow-Based Assembly of Layer-by-Layer Capsules through Tangential Flow Filtration. <i>Langmuir</i> , 2015, 31, 9054-9060.	1.6	30
53	Spray-On Polyaniline/Poly(acrylic acid) Electrodes with Enhanced Electrochemical Stability. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24150-24158.	4.0	29
54	Combined Photothermal and Surface-Enhanced Raman Spectroscopy Effect from Spiky Noble Metal Nanoparticles Wrapped within Graphene-Polymer Layers: Using Layer-by-layer Modified Reduced Graphene Oxide as Reactive Precursors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19353-19361.	4.0	34
55	Layer-by-Layer Deposition of Organic-Inorganic Hybrid Multilayer on Microporous Polyethylene Separator to Enhance the Electrochemical Performance of Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20678-20686.	4.0	131
56	Cellular uptake and cell-to-cell transfer of polyelectrolyte microcapsules within a triple co-culture system representing parts of the respiratory tract. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 034608.	2.8	10
57	Universal polymer coatings and their representative biomedical applications. <i>Materials Horizons</i> , 2015, 2, 567-577.	6.4	200
58	Biopolymeric Nanocomposites with Enhanced Interphases. <i>Langmuir</i> , 2015, 31, 10859-10870.	1.6	45

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59	Hollow hydroxyapatite/polyelectrolyte hybrid microparticles with controllable size, wall thickness and drug delivery properties. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8162-8169.	2.9	39
60	Bamboo-like multiwalled carbon nanotubes dispersed in double stranded calf-thymus DNA as a new analytical platform for building layer-by-layer based biosensors. <i>Electrochimica Acta</i> , 2015, 182, 391-397.	2.6	23
61	Substrate-Independent Robust and Heparin-Mimetic Hydrogel Thin Film Coating via Combined LbL Self-Assembly and Mussel-Inspired Post-Cross-linking. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26050-26062.	4.0	81
62	Designing biomaterials for tissue engineering based on the deconstruction of the native cellular environment. <i>Materials Letters</i> , 2015, 141, 198-202.	1.3	29
63	Stiffness-Dependent In Vitro Uptake and Lysosomal Acidification of Colloidal Particles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1365-1368.	7.2	169
64	Surface modulation of complex stiffness via layer-by-layer assembly as a facile strategy for selective cell adhesion. <i>Biomaterials Science</i> , 2015, 3, 352-360.	2.6	34
65	Assembling Human Platelet Lysate into Multiscale 3D Scaffolds for Bone Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 2-6.	2.6	29
66	Compartmentalized bioencapsulated liquefied 3D macro-construct by perfusion-based layer-by-layer technique. <i>RSC Advances</i> , 2015, 5, 2511-2516.	1.7	13
67	Sandwich-like layer-by-layer assembly of gold nanoparticles with tunable SERS properties. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1028-1032.	1.5	12
68	Influence of Polyelectrolyte Multilayer Properties on Bacterial Adhesion Capacity. <i>Polymers</i> , 2016, 8, 345.	2.0	39
69	The Effect of Temperature Treatment on the Structure of Polyelectrolyte Multilayers. <i>Polymers</i> , 2016, 8, 120.	2.0	15
70	Self-Construction from 2D to 3D: One-Pot Layer-by-Layer Assembly of Graphene Oxide Sheets Held Together by Coordination Polymers. <i>Angewandte Chemie</i> , 2016, 128, 8566-8570.	1.6	13
71	Automatic Assembly of Ultra-Multilayered Nanotube-Nanoparticle Composites. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2667-2670.	1.7	4
72	Reducing the inflammatory responses of biomaterials by surface modification with glycosaminoglycan multilayers. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 493-502.	2.1	42
73	Coating Strategies Using Layer-by-Layer Deposition for Cell Encapsulation. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1753-1764.	1.7	90
74	Polyelectrolytes Multilayers to Modulate Cell Adhesion: A Study of the Influence of Film Composition and Polyelectrolyte Interdigitation on the Adhesion of the A549 Cell Line. <i>Macromolecular Bioscience</i> , 2016, 16, 482-495.	2.1	28
75	Cellulose-Rich Nanofiber-Based Functional Nanoarchitectures. <i>Advanced Materials</i> , 2016, 28, 1143-1158.	11.1	112
76	Design Advances in Particulate Systems for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2016, 5, 1687-1723.	3.9	19

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77	Influence of Growth Characteristics of Induced Pluripotent Stem Cells on Their Uptake Efficiency for Layer-by-Layer Microcarriers. <i>ACS Nano</i> , 2016, 10, 6563-6573.	7.3	12
78	High performance free-standing films by layer-by-layer assembly of graphene flakes and ribbons with natural polymers. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7718-7730.	2.9	13
79	Double-membrane thermoresponsive hydrogels from gelatin and chondroitin sulphate with enhanced mechanical properties. <i>RSC Advances</i> , 2016, 6, 105821-105826.	1.7	18
80	Edge Charge Neutralization of Clay for Improved Oxygen Gas Barrier in Multilayer Nanobrick Wall Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34784-34790.	4.0	22
81	Open tubular capillary electrochromatography: Developments and applications from 2013 to 2015. <i>Electrophoresis</i> , 2016, 37, 66-85.	1.3	59
82	Near-Infrared Light-Stimulus-Responsive Film as a Sacrificial Layer for the Preparation of Free-Standing Films. <i>Langmuir</i> , 2016, 32, 3393-3399.	1.6	21
83	Influence of the sulfation degree of glycosaminoglycans on their multilayer assembly with poly-L-lysine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 567-575.	2.5	22
84	Graphene oxide (GO) as functional material in tailoring polyamide thin film composite (PA-TFC) reverse osmosis (RO) membranes. <i>Desalination</i> , 2016, 394, 162-175.	4.0	105
85	Exploring the divalent effect in fucosidase inhibition with stereoisomeric pyrrolidine dimers. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4718-4727.	1.5	12
86	Solid Polymer Electrolyte with High Ionic Conductivity via Layer-by-Layer Deposition. <i>Chemistry of Materials</i> , 2016, 28, 2934-2940.	3.2	35
87	Bimetallic Pt _x Co _y nanoparticles with curved faces for highly efficient hydrogenation of cinnamaldehyde. <i>Nanoscale</i> , 2016, 8, 10896-10901.	2.8	18
88	Step-by-step deposition of type B gelatin and tannic acid displays a peculiar ionic strength dependence at pH 5. <i>RSC Advances</i> , 2016, 6, 4730-4738.	1.7	20
89	Salt Effects on Surface Structures of Polyelectrolyte Multilayers (PEMs) Investigated by Vibrational Sum Frequency Generation (SFG) Spectroscopy. <i>Langmuir</i> , 2016, 32, 3803-3810.	1.6	19
90	Cooperative Effects in Aligned and Opposed Multicomponent Charge Gradients Containing Strongly Acidic, Weakly Acidic, and Basic Functional Groups. <i>Langmuir</i> , 2016, 32, 3836-3847.	1.6	17
91	Ionic Strength and Temperature Dependence of the Dilution Heat of Hexametaphosphate Sodium Salt. <i>Journal of Solution Chemistry</i> , 2016, 45, 840-848.	0.6	1
92	Reversible molecular adsorption of free-standing nano-composite film made from boehmite and poly(acrylic acid). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 507, 210-217.	2.3	1
93	Effect of Polyelectrolyte Multilayers Assembled on Ordered Nanostructures on Adhesion of Human Fibroblasts. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25142-25151.	4.0	12
94	Effect of polyelectrolyte size on multilayer conformation and dynamics at different temperatures and salt concentrations. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 70, 246-252.	1.3	17

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95	Highly Conductive Graphene and Polyelectrolyte Multilayer Thin Films Produced From Aqueous Suspension. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1790-1794.	2.0	6
96	Controlled Interfacial Permeation, Nanostructure Formation, Catalytic Efficiency, Signal Enhancement Capability, and Cell Spreading by Adjusting Photochemical Cross-Linking Degrees of Layer-by-Layer Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34080-34088.	4.0	10
97	Balancing polyelectrolyte diffusion and clay deposition for high gas barrier. <i>Green Materials</i> , 2016, 4, 98-103.	1.1	5
98	Preparation of macroporous replica particles using stereocomplex of isotactic poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Engineering Aspects, 2016, 506, 338-343.	2.3	0
99	Nanoporous ionic organic networks: from synthesis to materials applications. <i>Chemical Society Reviews</i> , 2016, 45, 6627-6656.	18.7	152
100	Antifouling, Antimicrobial, and Antibiocorrosion Multilayer Coatings Assembled by Layer-by-layer Deposition Involving Host-Guest Interaction. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10906-10915.	1.8	36
101	Influence of layer-by-layer assembled electrospun poly (l-lactic acid) nanofiber mats on the bioactivity of endothelial cells. <i>Applied Surface Science</i> , 2016, 390, 838-846.	3.1	17
102	Self-assembly and structure of flagellin-polyelectrolyte composite layers: polyelectrolyte induced flagellar filament formation during the alternating deposition process. <i>RSC Advances</i> , 2016, 6, 92159-92167.	1.7	3
103	Layer-by-Layer Assembled Architecture of Polyelectrolyte Multilayers and Graphene Sheets on Hollow Carbon Spheres/Sulfur Composite for High-Performance Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2016, 16, 5488-5494.	4.5	104
104	A Universal and Versatile Approach for Surface Biofunctionalization: Layer-by-Layer Assembly Meets Host-Guest Chemistry. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600600.	1.9	43
105	Biomimetic polysaccharide/bioactive glass nanoparticles multilayer membranes for guided tissue regeneration. <i>RSC Advances</i> , 2016, 6, 75988-75999.	1.7	28
106	Leather Industry, Soaking. , 2016, , 1095-1095.		0
107	Degradable Amine-Reactive Coatings Fabricated by the Covalent Layer-by-Layer Assembly of Poly(2-vinyl-4,4-dimethylazlactone) with Degradable Polyamine Building Blocks. <i>Biomacromolecules</i> , 2016, 17, 3067-3075.	2.6	16
108	Innovation in Layer-by-Layer Assembly. <i>Chemical Reviews</i> , 2016, 116, 14828-14867.	23.0	678
109	Nanolaminated composite materials: structure, interface role and applications. <i>RSC Advances</i> , 2016, 6, 109361-109385.	1.7	50
111	Lamellar Copolymers. , 2016, , 1083-1086.		0
112	Liquid Crystal Polymer Membranes. , 2016, , 1103-1104.		0
113	Combination of collagen and fibronectin to design biomimetic interfaces: Do these proteins form layer-by-layer assemblies?. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 54-64.	2.5	15

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114	A wash-durable polyelectrolyte complex that extinguishes flames on polyester-cotton fabric. <i>RSC Advances</i> , 2016, 6, 33998-34004.	1.7	45
115	Biomimetic Extracellular Environment Based on Natural Origin Polyelectrolyte Multilayers. <i>Small</i> , 2016, 12, 4308-4342.	5.2	100
116	Tightening Polyelectrolyte Multilayers with Oligo Pendant Ions. <i>ACS Macro Letters</i> , 2016, 5, 915-918.	2.3	10
117	Semipermeable Capsules Wrapping a Multifunctional and Self-regulated Co-culture Microenvironment for Osteogenic Differentiation. <i>Scientific Reports</i> , 2016, 6, 21883.	1.6	62
118	Fabrication of carbon nanotube nanocomposites via layer-by-layer assembly and evaluation in biomedical application. <i>Nanomedicine</i> , 2016, 11, 3087-3101.	1.7	7
119	Chemically Delaminated Free-Standing Ultrathin Covalent Organic Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15604-15608.	7.2	242
120	Chemically Delaminated Free-Standing Ultrathin Covalent Organic Nanosheets. <i>Angewandte Chemie</i> , 2016, 128, 15833-15837.	1.6	52
121	Multilayered Hollow Tubes as Blood Vessel Substitutes. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 2304-2314.	2.6	19
122	Specific Uptake of Lipid-Antibody-Functionalized LbL Microcarriers by Cells. <i>Biomacromolecules</i> , 2016, 17, 3672-3682.	2.6	8
123	Chitosan nanocomposites based on distinct inorganic fillers for biomedical applications. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 626-643.	2.8	66
124	Chitin Nanofibers Extracted from Crab Shells in Broadband Visible Antireflection Coatings with Controlling Layer-by-Layer Deposition and the Application for Durable Antifog Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31951-31958.	4.0	46
125	Critical adsorption of polyelectrolytes onto planar and convex highly charged surfaces: the nonlinear Poisson-Boltzmann approach. <i>New Journal of Physics</i> , 2016, 18, 083037.	1.2	21
126	Highly Scalable, Closed-Loop Synthesis of Drug-Loaded, Layer-by-Layer Nanoparticles. <i>Advanced Functional Materials</i> , 2016, 26, 991-1003.	7.8	67
127	Elastic chitosan/chondroitin sulfate multilayer membranes. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 035008.	1.7	19
128	Covalently Crosslinked and Physically Stable Polymer Coatings with Chemically Labile and Dynamic Surface Features Fabricated by Treatment of Azlactone-Containing Multilayers with Alcohol-, Thiol-, and Hydrazine-Based Nucleophiles. <i>Chemistry of Materials</i> , 2016, 28, 5063-5072.	3.2	22
129	Molecular engineering of Ni/Co-porphyrin multilayers on reduced graphene oxide sheets as bifunctional catalysts for oxygen evolution and oxygen reduction reactions. <i>Chemical Science</i> , 2016, 7, 5640-5646.	3.7	120
130	Building high-coverage monolayers of covalently bound magnetic nanoparticles. <i>Applied Surface Science</i> , 2016, 388, 461-467.	3.1	17
131	Super Oxygen and Improved Water Vapor Barrier of Polypropylene Film with Polyelectrolyte Multilayer Nanocoatings. <i>Macromolecular Rapid Communications</i> , 2016, 37, 963-968.	2.0	28

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132	Stimuli-Responsive Free-Standing Layer-by-Layer Films. <i>Advanced Materials</i> , 2016, 28, 715-721.	11.1	36
133	Self-Construction from 2D to 3D: One-Pot Layer-by-Layer Assembly of Graphene Oxide Sheets Held Together by Coordination Polymers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8426-8430.	7.2	101
134	Light responsive multilayer surfaces with controlled spatial extinction capability. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1398-1404.	2.9	9
135	Formation of polyelectrolyte multilayers: ionic strengths and growth regimes. <i>Soft Matter</i> , 2016, 12, 1032-1040.	1.2	82
136	Evaluation of Adhesion Forces for the Manipulation of Micro-Objects in Submerged Environment through Deposition of pH Responsive Polyelectrolyte Layers. <i>Langmuir</i> , 2016, 32, 102-111.	1.6	3
137	Layer-by-layer assembly of versatile nanoarchitectures with diverse dimensionality: a new perspective for rational construction of multilayer assemblies. <i>Chemical Society Reviews</i> , 2016, 45, 3088-3121.	18.7	294
138	Electrochemical Characterization of Layer-By-Layer Assembled Ferrocene-Modified Linear Poly(ethylenimine)/Enzyme Bioanodes for Glucose Sensor and Biofuel Cell Applications. <i>Langmuir</i> , 2016, 32, 3541-3551.	1.6	31
139	Effect of Divalent Counterions on Polyelectrolyte Multilayer Properties. <i>Macromolecules</i> , 2016, 49, 1790-1797.	2.2	29
140	Multiscale and multicomponent layer by layer assembly of optical thin films triggered by electrochemical coupling reactions of N-alkylcarbazoles. <i>Chinese Chemical Letters</i> , 2016, 27, 487-491.	4.8	9
141	A three-component model on the structure of colloidal solution with size-asymmetric electrolytes. <i>Molecular Physics</i> , 2016, 114, 2341-2350.	0.8	16
142	Nanoarchitectonics for carbon-material-based sensors. <i>Analyst, The</i> , 2016, 141, 2629-2638.	1.7	95
143	Effects of temperature, salt concentration, and the protonation state on the dynamics and hydrogen-bond interactions of polyelectrolyte multilayers on lipid membranes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6691-6700.	1.3	15
144	Ultrastrong, Chemically Resistant Reduced Graphene Oxide-based Multilayer Thin Films with Damage Detection Capability. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6229-6235.	4.0	15
145	Enzymatic Degradation of Polysaccharide-Based Layer-by-Layer Structures. <i>Biomacromolecules</i> , 2016, 17, 1347-1357.	2.6	60
146	Platelet lysate-based pro-angiogenic nanocoatings. <i>Acta Biomaterialia</i> , 2016, 32, 129-137.	4.1	27
147	Substrate-Independent, Transparent Oil-Repellent Coatings with Self-Healing and Persistent Easy-Sliding Oil Repellency. <i>ACS Nano</i> , 2016, 10, 1076-1085.	7.3	102
148	Layer-by-layer films containing peptides of the Cry1Ab16 toxin from <i>Bacillus thuringiensis</i> for potential biotechnological applications. <i>Materials Science and Engineering C</i> , 2016, 61, 832-841.	3.8	11
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