Pierre Schaaf

List of Publications by Year
in descending order

346 papers	21,543 citations	10070 75 h-index	14779 131 g-index
355 all docs	355 docs citations	355 times ranked	14485 citing authors

#	Article	IF	Citations
1	Localized Enzyme-Assisted Self-Assembly of low molecular weight hydrogelators. Mechanism, applications and perspectives. Advances in Colloid and Interface Science, 2022, 304, 102660.	7.0	6
2	Non-Monotonous Enzyme-Assisted Self-Assembly Profiles Resulting from Reaction-Diffusion Processes in Host Gels. Journal of Colloid and Interface Science, 2022, 620, 234-241.	5.0	9
3	Supramolecular tripeptide self-assembly initiated at the surface of coacervates by polyelectrolyte exchange. Journal of Colloid and Interface Science, 2021, 588, 580-588.	5.0	10
4	Localized Enzyme-Assisted Self-Assembly in the Presence of Hyaluronic Acid for Hybrid Supramolecular Hydrogel Coating. Polymers, 2021, 13, 1793.	2.0	10
5	Surface Triggered Self-Assembly of Fmoc-Tripeptide as an Antibacterial Coating. Frontiers in Bioengineering and Biotechnology, 2020, 8, 938.	2.0	19
6	Reversible Soft Mechanochemical Control of Biaryl Conformations through Crosslinking in a 3D Macromolecular Network. Angewandte Chemie, 2020, 132, 23483-23490.	1.6	3
7	Reversible Soft Mechanochemical Control of Biaryl Conformations through Crosslinking in a 3D Macromolecular Network. Angewandte Chemie - International Edition, 2020, 59, 23283-23290.	7.2	7
8	Autonomous Growth of a Spatially Localized Supramolecular Hydrogel with Autocatalytic Ability. Angewandte Chemie, 2020, 132, 14666-14671.	1.6	4
9	Autonomous Growth of a Spatially Localized Supramolecular Hydrogel with Autocatalytic Ability. Angewandte Chemie - International Edition, 2020, 59, 14558-14563.	7.2	21
10	Enzyme assisted peptide self-assemblies trigger cell adhesion in high density oxime based host gels. Journal of Materials Chemistry B, 2020, 8, 4419-4427.	2.9	15
11	Adjustment of Cell Adhesion on Polyurethane Structures via Control of the Hard/Soft Segment Ratio. Macromolecular Materials and Engineering, 2020, 305, 2000093.	1.7	7
12	Supramolecular Hydrogel Induced by Electrostatic Interactions between Polycation and Phosphorylated-Fmoc-Tripeptide. Chemistry of Materials, 2020, 32, 1946-1956.	3.2	43
13	Validation of Milner's visco-elastic theory of sintering for the generation of porous polymers with finely tuned morphology. Soft Matter, 2020, 16, 1810-1824.	1.2	3
14	Phase Separation in Supramolecular Hydrogels Based on Peptide Self-Assembly from Enzyme-Coated Nanoparticles. Langmuir, 2019, 35, 10838-10845.	1.6	20
15	Supported Catalytically Active Supramolecular Hydrogels for Continuous Flow Chemistry. Angewandte Chemie - International Edition, 2019, 58, 18817-18822.	7.2	34
16	Supported Catalytically Active Supramolecular Hydrogels for Continuous Flow Chemistry. Angewandte Chemie, 2019, 131, 18993-18998.	1.6	5
17	Enzyme-assisted self-assembly within a hydrogel induced by peptide diffusion. Chemical Communications, 2019, 55, 1156-1159.	2.2	29
18	Modulation of Cellular Colonization of Porous Polyurethane Scaffolds via the Control of Pore Interconnection Size and Nanoscale Surface Modifications. ACS Applied Materials & Interfaces, 2019, 11, 19819-19829.	4.0	29

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19	Protein-induced low molecular weight hydrogelator self-assembly through a self-sustaining process. Chemical Science, 2019, 10, 4761-4766.	3.7	17
20	Surfaceâ€Assisted Selfâ€Assembly Strategies Leading to Supramolecular Hydrogels. Angewandte Chemie - International Edition, 2018, 57, 1448-1456.	7.2	59
21	OberflÃchenunterstÃ¼tzte Selbstorganisationsstrategien fÃ¼r supramolekulare Hydrogele. Angewandte Chemie, 2018, 130, 1462-1471.	1.6	11
22	Chromatin de-condensation by switching substrate elasticity. Scientific Reports, 2018, 8, 12655.	1.6	14
23	Mussel-Inspired Electro-Cross-Linking of Enzymes for the Development of Biosensors. ACS Applied Materials & Interfaces, 2018, 10, 18574-18584.	4.0	25
24	Mimicking the Chemistry of Natural Eumelanin Synthesis: The KE Sequence in Polypeptides and in Proteins Allows for a Specific Control of Nanosized Functional Polydopamine Formation. Biomacromolecules, 2018, 19, 3693-3704.	2.6	22
25	Electrochemistry on Stretchable Nanocomposite Electrodes: Dependence on Strain. ACS Nano, 2018, 12, 9223-9232.	7.3	9
26	Î²-Cyclodextrin-Functionalized Chitosan/Alginate Compact Polyelectrolyte Complexes (CoPECs) as Functional Biomaterials with Anti-Inflammatory Properties. ACS Applied Materials & Interfaces, 2018, 10, 29347-29356.	4.0	36
27	pH-Responsive Saloplastics Based on Weak Polyelectrolytes: From Molecular Processes to Material Scale Properties. Macromolecules, 2018, 51, 4424-4434.	2.2	15
28	New insight in the biological integration of polytetrafluoroethylene from an explant used for diaphragm repair. Journal of Biomaterials Applications, 2017, 31, 844-850.	1.2	6
29	Nature of the Polyanion Governs the Antimicrobial Properties of Poly(arginine)/Polyanion Multilayer Films. Chemistry of Materials, 2017, 29, 3195-3201.	3.2	22
30	Bioinspired Nanofeatured Substrates: Suitable Environment for Bone Regeneration. ACS Applied Materials & Interfaces, 2017, 9, 12791-12801.	4.0	18
31	Hybrid extracellular matrix microspheres for development of complex multicellular architectures. RSC Advances, 2017, 7, 5528-5532.	1.7	4
32	Localized Supramolecular Peptide Selfâ€Assembly Directed by Enzymeâ€Induced Proton Gradients. Angewandte Chemie - International Edition, 2017, 56, 15984-15988.	7.2	39
33	Control of Surface-Localized, Enzyme-Assisted Self-Assembly of Peptides through Catalyzed Oligomerization. Langmuir, 2017, 33, 8267-8276.	1.6	30
34	Review of Electrochemically Triggered Macromolecular Film Buildup Processes and Their Biomedical Applications. ACS Applied Materials & Interfaces, 2017, 9, 28117-28138.	4.0	48
35	Alginate/Chitosan Compact Polyelectrolyte Complexes: A Cell and Bacterial Repellent Material. Chemistry of Materials, 2017, 29, 10418-10425.	3.2	28
36	Step-by-step build-up of covalent poly(ethylene oxide) nanogel films. Nanoscale, 2017, 9, 18379-18391.	2.8	7

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37	Electrotriggered Confined Self-assembly of Metalâ€“Polyphenol Nanocoatings Using a Morphogenic Approach. Chemistry of Materials, 2017, 29, 9668-9679.	3.2	65
38	Upregulation of endothelial gene markers in Wharton's jelly mesenchymal stem cells cultured on polyelectrolyte multilayers. Journal of Biomedical Materials Research - Part A, 2017, 105, 292-300.	2.1	8
39	Harnessing Whartonâ€™s jelly stem cell differentiation into bone-like nodule on calcium phosphate substrate without osteoinductive factors. Acta Biomaterialia, 2017, 49, 575-589.	4.1	21
40	Localized Supramolecular Peptide Selfâ€Assembly Directed by Enzymeâ€Induced Proton Gradients. Angewandte Chemie, 2017, 129, 16200-16204.	1.6	11
41	Hyaluronic Acid and Its Derivatives in Coating and Delivery Systems: Applications in Tissue Engineering, Regenerative Medicine and Immunomodulation. Advanced Healthcare Materials, 2016, 5, 2841-2855.	3.9	162
42	Soft-Mechanochemistry: Mechanochemistry Inspired by Nature. Langmuir, 2016, 32, 7265-7276.	1.6	44
43	Unexpected Bactericidal Activity of Poly(arginine)/Hyaluronan Nanolayered Coatings. Chemistry of Materials, 2016, 28, 8700-8709.	3.2	33
44	Immunomodulation with Self-Crosslinked Polyelectrolyte Multilayer-Based Coatings. Biomacromolecules, 2016, 17, 2189-2198.	2.6	29
45	Stretch-Induced Helical Conformations in Poly(<scp>l</scp>-lysine)/Hyaluronic Acid Multilayers. ACS Applied Materials & Interfaces, 2016, 8, 14958-14965.	4.0	11
46	Harnessing the Multifunctionality in Nature: A Bioactive Agent Release System with Selfâ€Antimicrobial and Immunomodulatory Properties. Advanced Healthcare Materials, 2015, 4, 2026-2036.	3.9	52
47	Selective Nanotrench Filling by One-Pot Electroclick Self-Constructed Nanoparticle Films. Small, 2015, 11, 4638-4642.	5.2	18
48	Bioactive Seed Layer for Surfaceâ€Confined Selfâ€Assembly of Peptides. Angewandte Chemie - International Edition, 2015, 54, 10198-10201.	7.2	53
49	Antibacterial Peptide-Based Gel for Prevention of Medical Implanted-Device Infection. PLoS ONE, 2015, 10, e0145143.	1.1	57
50	Saloplastics: Processing Compact Polyelectrolyte Complexes. Advanced Materials, 2015, 27, 2420-2432.	11.1	154
51	Morphogen Electrochemically Triggered Self-Construction of Polymeric Films Based on Mussel-Inspired Chemistry. Langmuir, 2015, 31, 13385-13393.	1.6	28
52	Stable Bioactive Enzyme-Containing Multilayer Films Based on Covalent Cross-Linking from Mussel-Inspired Adhesives. Langmuir, 2015, 31, 12447-12454.	1.6	15
53	Correction: Multivalency: influence of the residence time and the retraction rate on rupture forces measured by AFM. Journal of Materials Chemistry B, 2015, 3, 3098-3098.	2.9	0
54	Cell Alignment Driven by Mechanically Induced Collagen Fiber Alignment in Collagen/Alginate Coatings. Tissue Engineering - Part C: Methods, 2015, 21, 881-888.	1.1	39

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55	A new biomimetic route to engineer enzymatically active mechano-responsive materials. Chemical Communications, 2015, 51, 5622-5625.	2.2	18
56	Priming cells for their final destination: microenvironment controlled cell culture by a modular ECM-mimicking feeder film. Biomaterials Science, 2015, 3, 1302-1311.	2.6	22
57	Electrochemical nanoarchitectonics and layer-by-layer assembly: From basics to future. Nano Today, 2015, 10, 138-167.	6.2	284
58	Hybrid layer-by-layer composites based on a conducting polyelectrolyte and Fe₃O₄ nanostructures grafted onto graphene for supercapacitor application. Journal of Materials Chemistry A, 2015, 3, 22877-22885.	5.2	40
59	Film Self-Assembly of Oppositely Charged Macromolecules Triggered by Electrochemistry through a Morphogenic Approach. Langmuir, 2015, 31, 10208-10214.	1.6	20
60	Multivalency: influence of the residence time and the retraction rate on rupture forces measured by AFM. Journal of Materials Chemistry B, 2015, 3, 1801-1812.	2.9	7
61	Surface confined self-assembly of polyampholytes generated from charge-shifting polymers. Chemical Communications, 2015, 51, 14092-14095.	2.2	14
62	Polyelectrolyte Multilayers: A Versatile Tool for Preparing Antimicrobial Coatings. Langmuir, 2015, 31, 12856-12872.	1.6	122
63	Reversible biomechano-responsive surface based on green fluorescent protein genetically modified with unnatural amino acids. Chemical Communications, 2015, 51, 232-235.	2.2	20
64	Cell guidance into quiescent state through chromatin remodeling induced by elastic modulus of substrate. Biomaterials, 2015, 37, 144-155.	5.7	21
65	Origin of the Differential Nanoscale Reactivity of Biologically and Chemically Formed Green Rust Crystals Investigated by Chemical Force Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 5978-5987.	1.5	14
66	On the Benefits of Rubbing Salt in the Cut: Selfâ€Healing of Saloplastic PAA/PAH Compact Polyelectrolyte Complexes. Advanced Materials, 2014, 26, 2547-2551.	11.1	113
67	Efficient Gas and Water Vapor Barrier Properties of Thin Poly(lactic acid) Packaging Films: Functionalization with Moisture Resistant Nafion and Clay Multilayers. Chemistry of Materials, 2014, 26, 5459-5466.	3.2	94
68	Influence of the Interaction Strength between Supramolecular Complexes on the Topography of Neutral Polymer Multilayer Films. Langmuir, 2014, 30, 6479-6488.	1.6	13
69	PEDOT-PSS based 2-in-1 step-by-step films: A refined study. Synthetic Metals, 2014, 194, 38-46.	2.1	6
70	Nanosized Films Based on Multicharged Small Molecules and Oppositely Charged Polyelectrolytes Obtained by Simultaneous Spray Coating of Interacting Species. Langmuir, 2013, 29, 14536-14544.	1.6	6
71	Catalytic Saloplastics: Alkaline Phosphatase Immobilized and Stabilized in Compacted Polyelectrolyte Complexes. Advanced Functional Materials, 2013, 23, 4785-4792.	7.8	14
72	Biomimetic Cryptic Site Surfaces for Reversible Chemo- and Cyto-Mechanoresponsive Substrates. ACS Nano, 2013, 7, 3457-3465.	7.3	24

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73	Bioaffinity Sensor Based on Nanoarchitectonic Films: Control of the Specific Adsorption of Proteins through the Dual Role of an Ethylene Oxide Spacer. Langmuir, 2013, 29, 7488-7498.	1.6	13
74	Self-Construction of Supramolecular Polyrotaxane Films by an Electrotriggered Morphogen-Driven Process. Langmuir, 2013, 29, 10776-10784.	1.6	18
75	Compact Saloplastic Poly(Acrylic Acid)/Poly(Allylamine) Complexes: Kinetic Control Over Composition, Microstructure, and Mechanical Properties. Advanced Functional Materials, 2013, 23, 673-682.	7.8	60
76	Selfâ€Defensive Biomaterial Coating Against Bacteria and Yeasts: Polysaccharide Multilayer Film with Embedded Antimicrobial Peptide. Advanced Functional Materials, 2013, 23, 4801-4809.	7.8	100
77	Contribution of Soft Substrates to Malignancy and Tumor Suppression during Colon Cancer Cell Division. PLoS ONE, 2013, 8, e78468.	1.1	3
78	One-pot morphogen driven self-constructing films based on non-covalent hostâ€“guest interactions. Soft Matter, 2012, 8, 446-453.	1.2	18
79	Morphogen-driven self-construction of covalent films built from polyelectrolytes and homobifunctional spacers: buildup and pH response. Soft Matter, 2012, 8, 10336.	1.2	18
80	Mobility of Proteins in Highly Hydrated Polyelectrolyte Multilayer Films. Journal of Physical Chemistry B, 2012, 116, 5269-5278.	1.2	30
81	Cyto-mechanoresponsive Polyelectrolyte Multilayer Films. Journal of the American Chemical Society, 2012, 134, 83-86.	6.6	35
82	Polysaccharide Films Built by Simultaneous or Alternate Spray: A Rapid Way to Engineer Biomaterial Surfaces. Langmuir, 2012, 28, 8470-8478.	1.6	33
83	Chemically Detachable Polyelectrolyte Multilayer Platform for Cell Sheet Engineering. Chemistry of Materials, 2012, 24, 930-937.	3.2	26
84	Stretch-Induced Biodegradation of Polyelectrolyte Multilayer Films for Drug Release. Langmuir, 2012, 28, 13550-13554.	1.6	37
85	New 2-in-1 Polyelectrolyte Step-by-Step Film Buildup without Solution Alternation: From PEDOT-PSS to Polyelectrolyte Complexes. Langmuir, 2012, 28, 8681-8691.	1.6	24
86	Collagen-Based Fibrillar Multilayer Films Cross-Linked by a Natural Agent. Biomacromolecules, 2012, 13, 2128-2135.	2.6	69
87	Layer-by-Layer Enzymatic Platform for Stretched-Induced Reactive Release. ACS Macro Letters, 2012, 1, 797-801.	2.3	16
88	Strategies for covalently reticulated polymer multilayers. Soft Matter, 2012, 8, 9738.	1.2	50
89	The control of chromosome segregation during mitosis in epithelial cells by substrate elasticity. Biomaterials, 2012, 33, 798-809.	5.7	14
90	Sprayâ€Assisted Polyelectrolyte Multilayer Buildup: from Stepâ€byâ€Step to Singleâ€Step Polyelectrolyte Film Constructions. Advanced Materials, 2012, 24, 1001-1016.	11.1	125

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91	Tailored design of mechanically sensitive biocatalytic assemblies based on polyelectrolyte multilayers. Journal of Materials Chemistry, 2011, 21, 8324.	6.7	14
92	Restructuring of exponentially growing polyelectrolyte multilayer films induced by salt concentration variations after film deposition. Journal of Materials Chemistry, 2011, 21, 8416.	6.7	23
93	Surface immobilized block copolymer micelles with switchable accessibility of hydrophobic pockets. Soft Matter, 2011, 7, 11144.	1.2	22
94	Tuning of the Elastic Modulus of Polyelectrolyte Multilayer Films built up from Polyanions Mixture.. Macromolecules, 2011, 44, 8954-8961.	2.2	16
95	Cellularized alginate sheets for blood vessel reconstruction. Soft Matter, 2011, 7, 3621.	1.2	14
96	Simultaneous Spray Coating of Interacting Species: General Rules Governing the Poly(styrene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.6	26
97	Dynamic Aspects of Films Prepared by a Sequential Deposition of Species: Perspectives for Smart and Responsive Materials. Advanced Materials, 2011, 23, 1191-1221.	11.1	213
98	Electrochemically Triggered Assembly of Films: A Oneâ€Pot Morphogenâ€Driven Buildup. Angewandte Chemie - International Edition, 2011, 50, 4374-4377.	7.2	54
99	Covalent Layer-by-Layer Assemblies of Polyelectrolytes and Homobifunctional Spacers. Langmuir, 2010, 26, 12351-12357.	1.6	33
100	Polymer Multilayer Films Obtained by Electrochemically Catalyzed Click Chemistry. Langmuir, 2010, 26, 2816-2824.	1.6	73
101	Sprayâ€On Organic/Inorganic Films: A General Method for the Formation of Functional Nanoâ€to Microscale Coatings. Angewandte Chemie - International Edition, 2010, 49, 10110-10113.	7.2	73
102	Turbidity diagrams of polyanion/polycation complexes in solution as a potential tool to predict the occurrence of polyelectrolyte multilayer deposition. Journal of Colloid and Interface Science, 2010, 346, 163-171.	5.0	44
103	Multifunctional Stretchable Plasma Polymer Modified PDMS Interface for Mechanically Responsive Materials. Plasma Processes and Polymers, 2010, 7, 64-77.	1.6	19
104	Polyelectrolyte Multilayerâ€Mediated Gene Delivery for Semaphorin Signaling Pathway Control. Small, 2010, 6, 2405-2411.	5.2	14
105	Selective and uncoupled role of substrate elasticity in the regulation of replication and transcription in epithelial cells. Journal of Cell Science, 2010, 123, 29-39.	1.2	75
106	Nanoscale Precipitation Coating: The Deposition of Inorganic Films through Step-by-Step Spray-Assembly. ACS Nano, 2010, 4, 4792-4798.	7.3	28
107	Global and local view on the electrochemically induced degradation of polyelectrolyte multilayers: from dissolution to delamination. Soft Matter, 2010, 6, 4246.	1.2	26
108	Ion and Solvent Exchange Processes in PGA/PAH Polyelectrolyte Multilayers Containing Ferrocyanide. Journal of Physical Chemistry B, 2010, 114, 3759-3768.	1.2	33

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109	Anti-fouling phosphorylcholine bearing polyelectrolyte multilayers: Cell adhesion resistance at rest and under stretching. Soft Matter, 2010, 6, 1503.	1.2	25
110	Influence of Cu(I)â^'Alkyne Ï€-Complex Charge on the Step-by-Step Film Buildup through Sharpless Click Reaction. Macromolecules, 2010, 43, 3994-3997.	2.2	25
111	Unlimited growth of hostâ€“guest multilayer films based on functionalized neutral polymers. Soft Matter, 2010, 6, 3747.	1.2	24
112	Stepâ€byâ€Step Buildâ€Up of Biologically Active Cellâ€Containing Stratified Films Aimed at Tissue Engineering. Advanced Materials, 2009, 21, 650-655.	11.1	43
113	Mechanotransductive surfaces for reversible biocatalysis activation. Nature Materials, 2009, 8, 731-735.	13.3	122
114	Polyelectrolyte Multilayer Films Built from Poly(l-lysine) and a Two-Component Anionic Polysaccharide Blend. Langmuir, 2009, 25, 3593-3600.	1.6	23
115	Effective embedding of liposomes into polyelectrolyte multilayered films: the relative importance of lipid-polyelectrolyte and interpolyelectrolyte interactions. Soft Matter, 2009, 5, 1394.	1.2	76
116	Tunable Synthesis of Prussian Blue in Exponentially Growing Polyelectrolyte Multilayer Films. Langmuir, 2009, 25, 14030-14036.	1.6	33
117	Polyelectrolyte Multilayers Capped with Polyelectrolytes Bearing Phosphorylcholine and Triethylene Glycol Groups: Parameters Influencing Antifouling Properties. Langmuir, 2009, 25, 3610-3617.	1.6	44
118	Characterization of Dopamineâ^'Melanin Growth on Silicon Oxide. Journal of Physical Chemistry C, 2009, 113, 8234-8242.	1.5	322
119	Effect of the Supporting Electrolyte Anion on the Thickness of PSS/PAH Multilayer Films and on Their Permeability to an Electroactive Probe. Langmuir, 2009, 25, 2282-2289.	1.6	72
120	Hole formation induced by ionic strength increase in exponentially growing multilayer films. Soft Matter, 2009, 5, 2269.	1.2	65
121	Polyelectrolyte Multilayers. , 2009, , 1017-1042.		1
122	O2 Level Controls Hematopoietic Circulating Progenitor Cells Differentiation into Endothelial or Smooth Muscle Cells. PLoS ONE, 2009, 4, e5514.	1.1	25
123	Surface Methods. , 2009, , 477-594.		0
124	Relevance of bi-functionalized polyelectrolyte multilayers for cell transfection. Biomaterials, 2008, 29, 618-624.	5.7	33
125	Microstructure of TiN coatings synthesized by direct pulsed Nd:YAG laser nitriding of titanium: Development of grain size, microstrain, and grain orientation. Applied Physics A: Materials Science and Processing, 2008, 91, 305-314.	1.1	27
126	Characterization of polyelectrolyte multilayer films on polyethylene terephtalate vascular prostheses under mechanical stretching. Journal of Biomedical Materials Research - Part A, 2008, 84A, 576-588.	2.1	18

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127	Polyelectrolyte Films Boost Progenitor Cell Differentiation into Endotheliumâ€like Monolayers. Advanced Materials, 2008, 20, 2674-2678.	11.1	36
128	Composite films of polycations and TiO2 nanoparticles with photoinduced superhydrophilicity. Journal of Colloid and Interface Science, 2008, 324, 127-133.	5.0	32
129	Stratified PEI-(PSS-PDADMAC)20-PSS-(PDADMAC-TiO2) multilayer films produced by spray deposition. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 322, 142-147.	2.3	11
130	Stability of embossed PEI-(PSSâ€“PDADMAC)20 multilayer films versus storage time and versus a change in ionic strength. Applied Surface Science, 2008, 255, 1988-1995.	3.1	17
131	Polyelectrolyte multilayer coatings that resist protein adsorption at rest and under stretching. Journal of Materials Chemistry, 2008, 18, 4242.	6.7	30
132	Small Vessel Replacement by Human Umbilical Arteries With Polyelectrolyte Film-Treated Arteries. Journal of the American College of Cardiology, 2008, 52, 1589-1597.	1.2	56
133	Use of dopamine polymerisation to produce free-standing membranes from (PLL-HA)n exponentially growing multilayer films. Soft Matter, 2008, 4, 1621.	1.2	62
134	Chapter 1 Liposome Embedding into Polyelectrolyte Multilayers. Behavior Research Methods, 2008, 8, 1-25.	2.3	1
135	Composite multilayered biocompatible polyelectrolyte films with intact liposomes: stability and temperature triggered dye release. Soft Matter, 2008, 4, 122-130.	1.2	116
136	Embedded Silver Ions-Containing Liposomes in Polyelectrolyte Multilayers: Cargos Films for Antibacterial Agents. Langmuir, 2008, 24, 10209-10215.	1.6	92
137	Chemical Force Titration of Plasma Polymer-Modified PDMS Substrates by Using Plasma Polymer-Modified AFM Tips. Langmuir, 2008, 24, 4874-4880.	1.6	21
138	Swelling and Contraction of Ferrocyanide-Containing Polyelectrolyte Multilayers upon Application of an Electric Potential. Langmuir, 2008, 24, 13668-13676.	1.6	60
139	Dynamics of Poly(<scp>l</scp>-lysine) in Hyaluronic Acid/Poly(<scp>l</scp>-lysine) Multilayer Films Studied by Fluorescence Recovery after Pattern Photobleaching. Langmuir, 2008, 24, 7842-7847.	1.6	72
140	Micro-stratified architectures based on successive stacking of alginate gel layers and poly(l-lysine)â€“hyaluronic acid multilayer films aimed at tissue engineering. Soft Matter, 2008, 4, 1422.	1.2	49
141	Complexation of phosphocholine liposomes with polylysine. Stabilization by surface coverage versus aggregation. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 280-290.	1.4	116
142	Influence of the Polyelectrolyte Molecular Weight on Exponentially Growing Multilayer Films in the Linear Regime. Langmuir, 2007, 23, 1898-1904.	1.6	198
143	Changes in Silicon Elastomeric Surface Properties under Stretching Induced by Three Surface Treatments. Langmuir, 2007, 23, 13136-13145.	1.6	30
144	Polyelectrolyte multilayer films under mechanical stretch. Soft Matter, 2007, 3, 1413.	1.2	40

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145	Stiffening of Soft Polyelectrolyte Architectures by Multilayer Capping Evidenced by Viscoelastic Analysis of AFM Indentation Measurements. Journal of Physical Chemistry C, 2007, 111, 8299-8306.	1.5	58
146	Nanocomposite Silica/Polyamine Films Prepared by a Reactive Layer-by-Layer Deposition. Langmuir, 2007, 23, 3706-3711.	1.6	49
147	Poly(styrenesulfonate)/Poly(allylamine) Multilayers:Â A Route To Favor Endothelial Cell Growth on Expanded Poly(tetrafluoroethylene) Vascular Grafts. Biomacromolecules, 2007, 8, 2156-2160.	2.6	51
148	Mechanically Responding Nanovalves Based on Polyelectrolyte Multilayers. Nano Letters, 2007, 7, 657-662.	4.5	52
149	Anomalous Thickness Evolution of Multilayer Films Made from Poly-l-lysine and Mixtures of Hyaluronic Acid and Polystyrene Sulfonate. Langmuir, 2007, 23, 2602-2607.	1.6	25
150	Multiple Strata of Exponentially Growing Polyelectrolyte Multilayer Films. Macromolecules, 2007, 40, 316-321.	2.2	38
151	Phospholipid Bilayers as Biomembrane-like Barriers in Layer-by-Layer Polyelectrolyte Films. Langmuir, 2007, 23, 8236-8242.	1.6	25
152	Layer-by-Layer Films from Hyaluronan and Amine-Modified Hyaluronan. Langmuir, 2007, 23, 2655-2662.	1.6	55
153	Multifunctional Polyelectrolyte Multilayer Films:Â Combining Mechanical Resistance, Biodegradability, and Bioactivity. Biomacromolecules, 2007, 8, 139-145.	2.6	127
154	Reâ€endothelialization of Human Umbilical Arteries Treated with Polyelectrolyte Multilayers: A Tool for Damaged Vessel Replacement. Advanced Functional Materials, 2007, 17, 2667-2673.	7.8	47
155	Bone Formation Mediated by Synergy-Acting Growth Factors Embedded in a Polyelectrolyte Multilayer Film. Advanced Materials, 2007, 19, 693-697.	11.1	89
156	Synthesis of Polyelectrolytes Bearing Phosphorylcholine Moieties. Macromolecular Rapid Communications, 2007, 28, 2217-2223.	2.0	12
157	Bioactive coatings based on polyelectrolyte multilayer architectures functionalized by embedded proteins, peptides or drugs. New Biotechnology, 2007, 24, 33-41.	2.7	70
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