Alexander Welle

List of Publications by Year
in descending order

149 papers	4,953 citations	76326 40 h-index	114465 63 g-index
156 all docs	156 docs citations	156 times ranked	6933 citing authors

#	Article	IF	Citations
1	Sorption of Fulvic Acids onto Titanium Dioxide Nanoparticles Extracted from Commercial Sunscreens: ToF-SIMS and High-Dimensional Data Analysis. Coatings, 2022, 12, 335.	2.6	3
2	Removal of arsenic(III) via nanofiltration: contribution of organic matter interactions. Water Research, 2021, 201, 117315.	11.3	18
3	Substrateâ€Independent and Reâ€Writable Surface Patterning by Combining Polydopamine Coatings, Silanization, and Thiolâ€Ene Reaction. Advanced Functional Materials, 2021, 31, 2107716.	14.9	7
4	Anomalous bulk diffusion of methylene diphenyl diisocyanate in silicone elastomer. International Journal of Heat and Mass Transfer, 2021, 177, 121536.	4.8	1
5	Defect Creation in Surface-Mounted Metalâ€“Organic Framework Thin Films. ACS Applied Materials & Interfaces, 2020, 12, 2655-2661.	8.0	18
6	Impact of silver incorporation at the back contact of Kesterite solar cells on structural and device properties. Thin Solid Films, 2020, 709, 138223.	1.8	7
7	A Oneâ€Step Biofunctionalization Strategy of Electrospun Scaffolds Enables Spatially Selective Presentation of Biological Cues. Advanced Materials Technologies, 2020, 5, 2000269.	5.8	3
8	Photo-induced copper-mediated (meth)acrylate polymerization towards graphene oxide and reduced graphene oxide modification. European Polymer Journal, 2020, 134, 109810.	5.4	5
9	Multi-material 3D microstructures with photochemically adaptive mechanical properties. Journal of Materials Chemistry C, 2020, 8, 10993-11000.	5.5	12
10	A combined high-throughput and high-content platform for unified on-chip synthesis, characterization and biological screening. Nature Communications, 2020, 11, 5391.	12.8	41
11	Chemical vapor deposited polymer layer for efficient passivation of planar perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 20122-20132.	10.3	27
12	Thioacetateâ€Based Initiators for the Synthesis of Thiolâ€Endâ€Functionalized Poly(2â€oxazoline)s. Macromolecular Rapid Communications, 2020, 41, 2000320.	3.9	2
13	Molecular Changes in Vaporâ€Based Polymer Thin Films Assessed by Characterization of Swelling Properties of Amineâ€Functionalized Polyâ€p â€xylylene. Macromolecular Chemistry and Physics, 2020, 221, 2000213.	2.2	0
14	Reversible Surface Wettability by Silanization. Advanced Materials Interfaces, 2020, 7, 1902134.	3.7	17
15	Thin hydrogel coatings formation catalyzed by immobilized enzyme horseradish peroxidase. MRS Advances, 2020, 5, 773-783.	0.9	0
16	Mass spectrometry as a tool to advance polymer science. Nature Reviews Chemistry, 2020, 4, 257-268.	30.2	41
17	Adaptable and Reprogrammable Surfaces. Advanced Materials, 2019, 31, e1902665.	21.0	23
18	Controlling biofilm formation with nitroxide functional surfaces. Polymer Chemistry, 2019, 10, 4252-4258.	3.9	15

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19	Ultrashort Pulsed Laser Surface Patterning of Titanium to Improve Osseointegration of Dental Implants. Advanced Engineering Materials, 2019, 21, 1900639.	3.5	28
20	Photo-Cross-Linkable Polymer Inks for Solution-Based OLED Fabrication. Macromolecules, 2019, 52, 9105-9113.	4.8	17
21	Synthesis, Transfer, and Gas Separation Characteristics of MOF-Templated Polymer Membranes. Membranes, 2019, 9, 124.	3.0	10
22	Acetic Acid Etching of Mg-xGd Alloys. Metals, 2019, 9, 117.	2.3	9
23	Photoiniferter surface grafting of poly(methyl acrylate) using xanthates. Journal of Polymer Science Part A, 2019, 57, 2002-2007.	2.3	4
24	Laser-Grafted Molecularly Imprinted Polymers for the Detection of Histamine from Organocatalyzed Atom Transfer Radical Polymerization. Macromolecules, 2019, 52, 2304-2313.	4.8	27
25	Mobility of charge carriers in self-assembled monolayers. Beilstein Journal of Nanotechnology, 2019, 10, 2449-2458.	2.8	3
26	Reversible Surface Engineering via Nitrone-Mediated Radical Coupling. Langmuir, 2018, 34, 3244-3255.	3.5	3
27	Bioinspired Strategy for Controlled Polymerization and Photopatterning of Plant Polyphenols. Chemistry of Materials, 2018, 30, 1937-1946.	6.7	30
28	Oneâ€Step Fabrication of Pillar and Craterâ€Like Structures on Titanium Using Direct Laser Interference Patterning. Advanced Engineering Materials, 2018, 20, 1800160.	3.5	10
29	Band-gap tuning of Cu2ZnSn(S,Se)4 solar cell absorbers via defined incorporation of sulphur based on a post-sulphurization process. Solar Energy Materials and Solar Cells, 2018, 182, 158-165.	6.2	15
30	2D laser lithography on silicon substrates via photoinduced copper-mediated radical polymerization. Chemical Communications, 2018, 54, 751-754.	4.1	12
31	Extraction and characterization methods for titanium dioxide nanoparticles from commercialized sunscreens. Environmental Science: Nano, 2018, 5, 191-202.	4.3	33
32	Secondary ion mass spectrometry imaging and multivariate data analysis reveal coâ€aggregation patterns of Populus trichocarpa leaf surface compounds on a micrometer scale. Plant Journal, 2018, 93, 193-206.	5.7	22
33	Exploiting Î»â€Orthogonal Photoligation for Layered Surface Patterning. Chemistry - A European Journal, 2018, 24, 576-580.	3.3	25
34	Superoleophobicity: Superoleophobic Slippery Lubricantâ€Infused Surfaces: Combining Two Extremes in the Same Surface (Adv. Mater. 45/2018). Advanced Materials, 2018, 30, 1870338.	21.0	6
35	Oxidative polymerization of terthiophene and a substituted thiophene monomer in metal-organic framework thin films. European Polymer Journal, 2018, 109, 162-168.	5.4	21
36	Combined in-depth X-ray Photoelectron Spectroscopy and Time-of-Flight Secondary Ion Mass Spectroscopy study of the effect of deposition pressure and substrate bias on the electrical properties and composition of Ga-doped ZnO thin films grown by magnetron sputtering. Thin Solid Films, 2018, 665, 184-192.	1.8	2

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37	Dynamic Nitroxide Functional Materials. Chemistry - A European Journal, 2018, 24, 18873-18879.	3.3	6
38	Anisotropic energy transfer in crystalline chromophore assemblies. Nature Communications, 2018, 9, 4332.	12.8	54
39	Surface Functionalization and Patterning by Multifunctional Resorcinarenes. ACS Applied Materials & Interfaces, 2018, 10, 39268-39278.	8.0	14
40	Substrate-Independent Micropatterning of Polymer Brushes Based on Photolytic Deactivation of Chemical Vapor Deposition Based Surface-Initiated Atom-Transfer Radical Polymerization Initiator Films. ACS Applied Materials & Interfaces, 2018, 10, 31965-31976.	8.0	8
41	Superoleophobic Slippery Lubricantâ€Infused Surfaces: Combining Two Extremes in the Same Surface. Advanced Materials, 2018, 30, e1803890.	21.0	106
42	Dynamic Protein Adsorption onto Dendritic Polyglycerol Sulfate Self-Assembled Monolayers. Langmuir, 2018, 34, 10302-10308.	3.5	14
43	Reparable Superhydrophobic Surface with Hidden Reactivity, Its Photofunctionalization and Photopatterning. Advanced Functional Materials, 2018, 28, 1803765.	14.9	31
44	The para-fluoro-thiol ligation in water. Polymer Chemistry, 2017, 8, 1288-1293.	3.9	23
45	Light-driven reversible surface functionalization with anthracenes: visible light writing and mild UV erasing. Chemical Communications, 2017, 53, 1599-1602.	4.1	63
46	Electrodeposition of WO‹sub›3‹/sub› nanoparticles into surface mounted metalâ€“organic framework HKUST-1 thin films. Nanotechnology, 2017, 28, 115605.	2.6	6
47	Bio-inspired strategy for controlled dopamine polymerization in basic solutions. Polymer Chemistry, 2017, 8, 2145-2151.	3.9	44
48	UVâ€Triggered Polymerization, Deposition, and Patterning of Plant Phenolic Compounds. Advanced Functional Materials, 2017, 27, 1700127.	14.9	111
49	Significance of Nanopatterned and Clustered DLL1 for Hematopoietic Stem Cell Proliferation. Advanced Functional Materials, 2017, 27, 1606495.	14.9	11
50	Additiveâ€Assisted Crystallization Dynamics in Twoâ€Step Fabrication of Perovskite Solar Cells. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700509.	1.8	20
51	Organocatalyzed Photoâ€Atom Transfer Radical Polymerization of Methacrylic Acid in Continuous Flow and Surface Grafting. Macromolecular Rapid Communications, 2017, 38, 1700423.	3.9	39
52	Effect of pyrolysis oil components on the activity and selectivity of nickel-based catalysts during hydrotreatment. Applied Catalysis A: General, 2017, 544, 161-172.	4.3	34
53	Quasi-metallic behavior of ZnO grown by atomic layer deposition: The role of hydrogen. Journal of Applied Physics, 2017, 122, .	2.5	15
54	Bioinstructive Coatings for Hematopoietic Stem Cell Expansion Based on Chemical Vapor Deposition Copolymerization. Biomacromolecules, 2017, 18, 3089-3098.	5.4	7

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55	Photoswitchable nanoporous films by loading azobenzene in metalâ€“organic frameworks of type HKUST-1. Chemical Communications, 2017, 53, 8070-8073.	4.1	68
56	Facile loading of thin-film surface-anchored metal-organic frameworks with Lewis-base guest molecules. Materials Chemistry Frontiers, 2017, 1, 1888-1894.	5.9	8
57	Spatially resolved photochemical coding of reversibly anchored cysteine-rich domains. Journal of Materials Chemistry B, 2017, 5, 4993-5000.	5.8	10
58	Frontispiz: Bottom-Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€…Situ Atom-Transfer Radical Polymerization. Angewandte Chemie, 2016, 128, .	2.0	0
59	Bottomâ€Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€…Situ Atomâ€Transfer Radical Polymerization. Angewandte Chemie - International Edition, 2016, 55, 5692-5697.	13.8	64
60	Singleâ€Molecule Encapsulation: A Straightforward Route to Highly Stable and Printable Enzymes. Small, 2016, 12, 1716-1722.	10.0	32
61	Zweifache, simultane OberflÃchenmodifikation von dreidimensionalen Mikrostrukturen mittels Photochemie. Angewandte Chemie, 2016, 128, 3882-3887.	2.0	10
62	Bottomâ€Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€…Situ Atomâ€Transfer Radical Polymerization. Angewandte Chemie, 2016, 128, 5786-5791.	2.0	29
63	Simultaneous Dual Encoding of Threeâ€Dimensional Structures by Lightâ€Induced Modular Ligation. Angewandte Chemie - International Edition, 2016, 55, 3817-3822.	13.8	52
64	Superexchange Charge Transport in Loaded Metal Organic Frameworks. ACS Nano, 2016, 10, 7085-7093.	14.6	62
65	Calcium Silicate Phases Explained by High-Temperature-Resistant Phosphate Probe Molecules. Langmuir, 2016, 32, 13577-13584.	3.5	13
66	Replication of Polymerâ€Based Peptide Microarrays by Multiâ€Step Transfer. ChemNanoMat, 2016, 2, 897-903.	2.8	3
67	UVâ€Induced Disulfide Formation and Reduction for Dynamic Photopatterning. Angewandte Chemie - International Edition, 2016, 55, 13765-13769.	13.8	40
68	UVâ€Induced Disulfide Formation and Reduction for Dynamic Photopatterning. Angewandte Chemie, 2016, 128, 13969-13973.	2.0	10
69	Development of a poly(dimethylacrylamide) based matrix material for solid phase high density peptide array synthesis employing a laser based material transfer. Applied Surface Science, 2016, 389, 942-951.	6.1	2
70	Tuning the Cell Adhesion on Biofunctionalized Nanoporous Organic Frameworks. Advanced Functional Materials, 2016, 26, 8455-8462.	14.9	29
71	Photon Upconversion at Crystalline Organicâ€“Organic Heterojunctions. Advanced Materials, 2016, 28, 8477-8482.	21.0	125
72	Microcavity Functionalization: Selective Functionalization of Microstructured Surfaces by Laserâ€Assisted Particle Transfer (Adv. Funct. Mater. 39/2016). Advanced Functional Materials, 2016, 26, 7026-7026.	14.9	0

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73	Superhydrophobic and Slippery Lubricant-Infused Flexible Transparent Nanocellulose Films by Photoinduced Thiolâ€“Ene Functionalization. ACS Applied Materials & Interfaces, 2016, 8, 34115-34122.	8.0	96
74	Selective Functionalization of Microstructured Surfaces by Laserâ€Assisted Particle Transfer. Advanced Functional Materials, 2016, 26, 7067-7073.	14.9	6
75	Frontispiece: Bottom-Up Fabrication of Nanopatterned Polymers on DNA Origami by Inâ€...Situ Atom-Transfer Radical Polymerization. Angewandte Chemie - International Edition, 2016, 55, .	13.8	0
76	Singleâ€Step Fabrication of Highâ€Density Microdroplet Arrays of Lowâ€Surfaceâ€Tension Liquids. Advanced Materials, 2016, 28, 3202-3208.	21.0	93
77	Recodable surfaces based on switchable hydrogen bonds. Chemical Communications, 2016, 52, 8753-8756.	4.1	6
78	Bi₂O₃nanoparticles encapsulated in surface mounted metalâ€“organic framework thin films. Nanoscale, 2016, 8, 6468-6472.	5.6	30
79	Solid-material-based coupling efficiency analyzed with time-of-flight secondary ion mass spectrometry. Applied Surface Science, 2016, 360, 306-314.	6.1	5
80	Controlled radical polymerization and in-depth mass-spectrometric characterization of poly(ionic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.9	38
81	Photolithographic Encoding of Metal Complexes. Chemistry - A European Journal, 2015, 21, 14728-14731.	3.3	5
82	Macromol. Rapid Commun. 18/2015. Macromolecular Rapid Communications, 2015, 36, 1696-1696.	3.9	0
83	Reversible and Rewritable Surface Functionalization and Patterning via Photodynamic Disulfide Exchange. Advanced Materials, 2015, 27, 4997-5001.	21.0	69
84	UVâ€Induced Tetrazoleâ€Thiol Reaction for Polymer Conjugation and Surface Functionalization. Angewandte Chemie - International Edition, 2015, 54, 8732-8735.	13.8	58
85	Surface Grafting via Photoâ€Induced Copperâ€Mediated Radical Polymerization at Extremely Low Catalyst Concentrations. Macromolecular Rapid Communications, 2015, 36, 1681-1686.	3.9	50
86	Peptide-equipped tobacco mosaic virus templates for selective and controllable biomineral deposition. Beilstein Journal of Nanotechnology, 2015, 6, 1399-1412.	2.8	42
87	Designing Ï€-Conjugated Polymeric Nano- and Microstructures via Light Induced Chemistry. Macromolecules, 2015, 48, 8718-8728.	4.8	13
88	Carbonation of Wollastonite(001) Competing Hydration: Microscopic Insights from Ion Spectroscopy and Density Functional Theory. ACS Applied Materials & Interfaces, 2015, 7, 4706-4712.	8.0	41
89	Free-Standing Nanomembranes Based on Selective CVD Deposition of Functional Poly-p-xylylenes. ACS Nano, 2015, 9, 1400-1407.	14.6	16
90	Monolithic High Performance Surface Anchored Metalâ€"Organic Framework Bragg Reflector for Optical Sensing. Chemistry of Materials, 2015, 27, 1991-1996.	6.7	54

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91	Light-driven nitrile imine-mediated tetrazoleâ€“ene cycloaddition as a versatile platform for fullerene conjugation. Chemical Communications, 2015, 51, 13000-13003.	4.1	19
92	A Photolithographic Approach to Spatially Resolved Cross-Linked Nanolayers. Langmuir, 2015, 31, 3242-3253.	3.5	5
93	Degradation mechanisms of polyfluoreneâ€based organic semiconductor lasers under ambient and oxygenâ€free conditions. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1029-1034.	2.1	17
94	Photolithographic Patterning of 3Dâ€Formed Polycarbonate Films for Targeted Cell Guiding. Advanced Materials, 2015, 27, 2621-2626.	21.0	36
95	Macromolecular Surface Design: Photopatterning of Functional Stable Nitrile Oxides. Angewandte Chemie - International Edition, 2015, 54, 5777-5783.	13.8	37
96	Photo-induced surface encoding of gold nanoparticles. Chemical Communications, 2015, 51, 3363-3366.	4.1	13
97	Reactive Superhydrophobic Surface and Its Photoinduced Disulfide-ene and Thiol-ene (Bio)functionalization. Nano Letters, 2015, 15, 675-681.	9.1	86
98	Surface Patterning via Thiolâ€Yne Click Chemistry: An Extremely Fast and Versatile Approach to Superhydrophilicâ€Superhydrophobic Micropatterns. Advanced Materials Interfaces, 2014, 1, 1400269.	3.7	127
99	UVâ€Triggered Dopamine Polymerization: Control of Polymerization, Surface Coating, and Photopatterning. Advanced Materials, 2014, 26, 8029-8033.	21.0	307
100	Ambient Temperature Ligation of Diene Functional Polymer and Peptide Strands onto Cellulose via Photochemical and Thermal Protocols. Macromolecular Rapid Communications, 2014, 35, 1121-1127.	3.9	19
101	Direct UVâ€Induced Functionalization of Surface Hydroxy Groups by Thiolâ€“Ol Chemistry. Angewandte Chemie - International Edition, 2014, 53, 3835-3839.	13.8	29
102	Photoâ€Patterning of Nonâ€Fouling Polymers and Biomolecules on Paper. Advanced Materials, 2014, 26, 4087-4092.	21.0	79
103	Evaluating UV/H₂O₂ exposure as a DEHP degradation treatment for plasticized PVC. Journal of Applied Polymer Science, 2014, 131, .	2.6	17
104	Fabrication and Spatially Resolved Functionalization of 3D Microstructures via Multiphotonâ€Induced Dielsâ€“Alder Chemistry. Advanced Functional Materials, 2014, 24, 3571-3580.	14.9	51
105	Patterning of Polymeric Cell Culture Substrates. Methods in Cell Biology, 2014, 119, 35-53.	1.1	3
106	Photoâ€Induced Functionalization of Spherical and Planar Surfaces via Caged Thioaldehyde Endâ€Functional Polymers. Advanced Functional Materials, 2014, 24, 5649-5661.	14.9	25
107	Photoinduced Câ€“C Reactions on Insulators toward Photolithography of Graphene Nanoarchitectures. Journal of the American Chemical Society, 2014, 136, 4651-4658.	13.7	45
108	Interaction of Human Plasma Proteins with Thin Gelatin-Based Hydrogel Films: A QCM-D and ToF-SIMS Study. Biomacromolecules, 2014, 15, 2398-2406.	5.4	29

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109	Spatially controlled surface immobilization of nucleophiles via trapping of photo-generated thioaldehydes. Chemical Science, 2013, 4, 3503.	7.4	45
110	Micropatterned superhydrophobic structures for the simultaneous culture of multiple cell types and the study of cellâ€“cell communication. Biomaterials, 2013, 34, 1757-1763.	11.4	102
111	Polymer surface patterningvia Dielsâ€“Alder trapping of photo-generated thioaldehydes. Chemical Communications, 2013, 49, 633-635.	4.1	48
112	Spatially Controlled Surface Immobilization of Nonmodified Peptides. Angewandte Chemie - International Edition, 2013, 52, 9714-9718.	13.8	30
113	Photochemical Generation of Light Responsive Surfaces. Advanced Functional Materials, 2013, 23, 4011-4019.	14.9	58
114	Site-selective growth of surface-anchored metal-organic frameworks on self-assembled monolayer patterns prepared by AFM nanografting. Beilstein Journal of Nanotechnology, 2013, 4, 638-648.	2.8	37
115	Microstructuring of multiwell plates for three-dimensional cell culture applications by ultrasonic embossing. Biomedical Microdevices, 2012, 14, 291-301.	2.8	20
116	Adding Spatial Control to Click Chemistry: Phototriggered Dielsâ€“Alder Surface (Bio)functionalization at Ambient Temperature. Angewandte Chemie - International Edition, 2012, 51, 1071-1074.	13.8	170
117	In vitro observation of dynamic ordering processes in the extracellular matrix of living, adherent cells. Biointerphases, 2011, 6, 171-179.	1.6	15
118	Selective immobilization of Sonic hedgehog on benzylguanine terminated patterned self-assembled monolayers. Biomaterials, 2011, 32, 6719-6728.	11.4	7
119	Rapid prototyping of microstructures in polydimethylsiloxane (PDMS) by direct UV-lithography. Lab on A Chip, 2011, 11, 1368.	6.0	48
120	Monolithical Integration of UV-induced Optical Polymer Waveguides for Fluorescence Applications in Biological Sciences. , 2010, , .		0
121	Spatially controlled cell adhesion on three-dimensional substrates. Biomedical Microdevices, 2010, 12, 787-795.	2.8	18
122	PLGA:poloxamer blend micro- and nanoparticles as controlled release systems for synthetic proangiogenic factors. European Journal of Pharmaceutical Sciences, 2010, 41, 644-649.	4.0	26
123	Biosensors coated with sulfated polysaccharides for the detection of hepatocyte growth factor/scatter factor in cell culture medium. Biosensors and Bioelectronics, 2010, 26, 1706-1709.	10.1	13
124	Fluorescence excitation on monolithically integrated all-polymer chips. Journal of Biomedical Optics, 2010, 15, 041517.	2.6	7
125	Benzylguanine Thiol Self-Assembled Monolayers for the Immobilization of SNAP-tag Proteins on Microcontact-Printed Surface Structures. Langmuir, 2010, 26, 6097-6101.	3.5	50
126	Nanoparticles Based on PLGA:Poloxamer Blends for the Delivery of Proangiogenic Growth Factors. Molecular Pharmaceutics, 2010, 7, 1724-1733.	4.6	54

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127	Hyaluronic acid/Chitosan nanoparticles as delivery vehicles for VEGF and PDGF-BB. Drug Delivery, 2010, 17, 596-604.	5.7	73
128	Laser- and UV-assisted modification of polystyrene surfaces for control of protein adsorption and cell adhesion. Applied Surface Science, 2009, 255, 5453-5457.	6.1	71
129	Wettability and protein adsorption on ultrananocrystalline diamond/amorphous carbon composite films. Diamond and Related Materials, 2009, 18, 895-898.	3.9	29
130	The famousversusthe inconvenient - or the dawn and the rise of 3D-culture systems. World Journal of Stem Cells, 2009, 1, 43.	2.8	15
131	Crystalline Water at Room Temperature â^' Under Water and in Air. Crystal Growth and Design, 2008, 8, 2620-2622.	3.0	23
132	Chip-based Three-dimensional Cell Culture in Perfused Micro-bioreactors. Journal of Visualized Experiments, 2008, , .	0.3	4
133	Microfabrication of Chip-sized Scaffolds for Three-dimensional Cell cultivation. Journal of Visualized Experiments, 2008, , .	0.3	6
134	Surface Topography, Surface Energy and Wettability of Magnetronâ€Sputtered Amorphous Carbon (aâ€C) Films and Their Relevance for Platelet Adhesion. Advanced Engineering Materials, 2007, 9, 1114-1122.	3.5	36
135	Laser-assisted modification of polystyrene surfaces for cell culture applications. Applied Surface Science, 2007, 253, 9177-9184.	6.1	87
136	Competitive protein adsorption on micro patterned polymeric biomaterials, and viscoelastic properties of tailor made extracellular matrices. New Biotechnology, 2007, 24, 87-91.	2.7	15
137	A Bioâ€“Fluidicâ€“Photonic Platform Based on Deep UV Modification of Polymers. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 214-222.	2.9	13
138	Electrospun aliphatic polycarbonates as tailored tissue scaffold materials. Biomaterials, 2007, 28, 2211-2219.	11.4	140
139	Determination of living cell characteristics and behavior using biophotonic methods. , 2006, , .		2
140	Polymer photonic integrated circuits by DUV-induced modification. , 2006, , .		3
141	Photo-chemically patterned polymer surfaces for controlled PC-12 adhesion and neurite guidance. Journal of Neuroscience Methods, 2005, 142, 243-250.	2.5	63
142	Applications of shape memory alloys in medical instruments. Minimally Invasive Therapy and Allied Technologies, 2004, 13, 248-253.	1.2	45
143	Competitive plasma protein adsorption on modified polymer surfaces monitored by quartz crystal microbalance technique. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 357-370.	3.5	38
144	UV-Based Patterning of Polymeric Substrates for Cell Culture Applications. Biomedical Microdevices, 2002, 4, 33-41.	2.8	78

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145	Polymeric Tissue Culture Substrates patterned by UV Irradiation. Materials Research Society Symposia Proceedings, 2001, 711, 1.	0.1	0
146	Plasma Protein Adsorption and Platelet Adhesion on Poly[bis(trifluoroethoxy)phosphazene] and Reference Material Surfaces. Journal of Colloid and Interface Science, 1998, 197, 263-274.	9.4	73
147	Plasma Protein Adsorption and Platelet Adhesion on Poly[Bis(Trifluoroethoxy)Phosphazene]. Materials Research Society Symposia Proceedings, 1997, 489, 139.	0.1	3
148	Interactions of N,Nâ€²-dimethylaminoethanol with steel surfaces in alkaline and chlorine containing solutions. Applied Surface Science, 1997, 119, 185-198.	6.1	62
149	Solid and Hollow Poly(p-xylylene) Particles Synthesis via Metalâ€“Organic Framework-Templated Chemical Vapor Polymerization. Chemistry of Materials, 0, , .	6.7	4