

# Morgan R Alexander

## List of Publications by Year in descending order

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250  
papers

13,662  
citations

22548

61  
h-index

32181

105  
g-index

268  
all docs

268  
docs citations

268  
times ranked

16706  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immune-instructive materials as new tools for immunotherapy. <i>Current Opinion in Biotechnology</i> , 2022, 74, 194-203.	3.3	10
2	The Galapagos Chip Platform for High-Throughput Screening of Cell Adhesive Chemical Micropatterns. <i>Small</i> , 2022, 18, e2105704.	5.2	4
3	Ink-jet 3D printing as a strategy for developing bespoke non-eluting biofilm resistant medical devices. <i>Biomaterials</i> , 2022, 281, 121350.	5.7	8
4	Molecular Formula Prediction for Chemical Filtering of 3D OrbiSIMS Datasets. <i>Analytical Chemistry</i> , 2022, 94, 4703-4711.	3.2	6
5	Efficacy of antimicrobial and anti-viral coated air filters to prevent the spread of airborne pathogens. <i>Scientific Reports</i> , 2022, 12, 2803.	1.6	16
6	Elucidating the molecular landscape of the stratum corneum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2114380119.	3.3	20
7	Utilising micron scale 3D printed morphologies for particle adhesion reduction. <i>Powder Technology</i> , 2022, 404, 117418.	2.1	1
8	A Multifaceted Ferrocene Interlayer for Highly Stable and Efficient Lithium Doped Spiro-OMeTAD-based Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	32
9	Single-Cell Metabolic Profiling of Macrophages Using 3D OrbiSIMS: Correlations with Phenotype. <i>Analytical Chemistry</i> , 2022, 94, 9389-9398.	3.2	12
10	Designing topographically textured microparticles for induction and modulation of osteogenesis in mesenchymal stem cell engineering. <i>Biomaterials</i> , 2021, 266, 120450.	5.7	27
11	Inkjet 3D Printing of Polymers Resistant to Fungal Attachment. <i>Bio-protocol</i> , 2021, 11, e4016.	0.2	1
12	AbaM Regulates Quorum Sensing, Biofilm Formation, and Virulence in <i>Acinetobacter baumannii</i> . <i>Journal of Bacteriology</i> , 2021, 203, .	1.0	37
13	The use of nanovibration to discover specific and potent bioactive metabolites that stimulate osteogenic differentiation in mesenchymal stem cells. <i>Science Advances</i> , 2021, 7, .	4.7	22
14	High-Throughput Methods in the Discovery and Study of Biomaterials and Materiobiology. <i>Chemical Reviews</i> , 2021, 121, 4561-4677.	23.0	89
15	Development of Conductive Gelatine-Methacrylate Inks for Two-Photon Polymerisation. <i>Polymers</i> , 2021, 13, 1038.	2.0	10
16	Discovery of synergistic material-topography combinations to achieve immunomodulatory osteoinductive biomaterials using a novel in vitro screening method: The ChemoTopoChip. <i>Biomaterials</i> , 2021, 271, 120740.	5.7	20
17	Direct Immobilization of Engineered Nanobodies on Gold Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 17353-17360.	4.0	20
18	Sequential Orbitrap Secondary Ion Mass Spectrometry and Liquid Extraction Surface Analysis-Tandem Mass Spectrometry-Based Metabolomics for Prediction of Brain Tumor Relapse from Sample-Limited Primary Tissue Archives. <i>Analytical Chemistry</i> , 2021, 93, 6947-6954.	3.2	13

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19	Droplet Microfluidic Optimisation Using Micropipette Characterisation of Bio-Instructive Polymeric Surfactants. <i>Molecules</i> , 2021, 26, 3302.	1.7	4
20	Exploiting Generative Design for 3D Printing of Bacterial Biofilm Resistant Composite Devices. <i>Advanced Science</i> , 2021, 8, e2100249.	5.6	7
21	Expanding Biomaterial Surface Topographical Design Space through Natural Surface Reproduction. <i>Advanced Materials</i> , 2021, 33, e2102084.	11.1	16
22	Bespoke 3D-Printed Polydrug Implants Created via Microstructural Control of Oligomers. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38969-38978.	4.0	6
23	Generation and Characterization of a Library of Novel Biologically Active Functional Surfactants (Surfmers) Using Combined High-Throughput Methods. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 43290-43300.	4.0	5
24	Discovery of a Novel Polymer for Xeno-Free, Long-Term Culture of Human Pluripotent Stem Cell Expansion. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001448.	3.9	8
25	Customisable Tablet Printing: The Development of Multimaterial Hot Melt Inkjet 3D Printing to Produce Complex and Personalised Dosage Forms. <i>Pharmaceutics</i> , 2021, 13, 1679.	2.0	10
26	Making tablets for delivery of poorly soluble drugs using photoinitiated 3D inkjet printing. <i>International Journal of Pharmaceutics</i> , 2020, 578, 118805.	2.6	37
27	All Surfaces Are Not Equal in Contact Transmission of SARS-CoV-2. <i>Matter</i> , 2020, 3, 1433-1441.	5.0	49
28	Effects of Polymer 3D Architecture, Size, and Chemistry on Biological Transport and Drug Delivery In Vitro and in Orthotopic Triple Negative Breast Cancer Models. <i>Advanced Healthcare Materials</i> , 2020, 9, 2000892.	3.9	17
29	Polymer microarrays rapidly identify competitive adsorbents of virus-like particles. <i>Biointerphases</i> , 2020, 15, 061005.	0.6	5
30	Single-Cell Tracking on Polymer Microarrays Reveals the Impact of Surface Chemistry on <i>Pseudomonas aeruginosa</i> Twitching Speed and Biofilm Development. <i>ACS Applied Bio Materials</i> , 2020, 3, 8471-8480.	2.3	6
31	Protein identification by 3D OrbiSIMS to facilitate in situ imaging and depth profiling. <i>Nature Communications</i> , 2020, 11, 5832.	5.8	40
32	Discovery of hemocompatible bacterial biofilm-resistant copolymers. <i>Biomaterials</i> , 2020, 260, 120312.	5.7	7
33	Immune-Instructive Polymers Control Macrophage Phenotype and Modulate the Foreign Body Response In Vivo. <i>Matter</i> , 2020, 2, 1564-1581.	5.0	70
34	Immune Modulation by Design: Using Topography to Control Human Monocyte Attachment and Macrophage Differentiation. <i>Advanced Science</i> , 2020, 7, 1903392.	5.6	93
35	Cryo-OrbiSIMS for 3D Molecular Imaging of a Bacterial Biofilm in Its Native State. <i>Analytical Chemistry</i> , 2020, 92, 9008-9015.	3.2	37
36	Mechanisms of lipid preservation in archaeological clay ceramics revealed by mass spectrometry imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14688-14693.	3.3	15

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37	Discovery of (meth)acrylate polymers that resist colonization by fungi associated with pathogenesis and biodeterioration. <i>Science Advances</i> , 2020, 6, eaba6574.	4.7	29
38	ToF-SIMS and Machine Learning for Single-Pixel Molecular Discrimination of an Acrylate Polymer Microarray. <i>Analytical Chemistry</i> , 2020, 92, 6587-6597.	3.2	23
39	Achieving Microparticles with Cell-Instructive Surface Chemistry by Using Tunable Co-Polymer Surfactants. <i>Advanced Functional Materials</i> , 2020, 30, 2001821.	7.8	9
40	Real time monitoring of biofilm formation on coated medical devices for the reduction and interception of bacterial infections. <i>Biomaterials Science</i> , 2020, 8, 1464-1477.	2.6	26
41	New frontiers against antibiotic resistance: A Raman-based approach for rapid detection of bacterial susceptibility and biocide-induced antibiotic cross-tolerance. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127774.	4.0	19
42	Spatially Resolved Molecular Compositions of Insoluble Multilayer Deposits Responsible for Increased Pollution from Internal Combustion Engines. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51026-51035.	4.0	9
43	High-throughput characterization of fluid properties to predict droplet ejection for three-dimensional inkjet printing formulations. <i>Additive Manufacturing</i> , 2019, 29, 100792.	1.7	16
44	Methodology for the synthesis of methacrylate monomers using designed single mode microwave applicators. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1472-1476.	1.9	7
45	Multifunctional Bioinstructive 3D Architectures to Modulate Cellular Behavior. <i>Advanced Functional Materials</i> , 2019, 29, 1902016.	7.8	25
46	Dual bioresponsive antibiotic and quorum sensing inhibitor combination nanoparticles for treatment of <i>Pseudomonas aeruginosa</i> biofilms <i>in vitro</i> and <i>ex vivo</i> . <i>Biomaterials Science</i> , 2019, 7, 4099-4111.	2.6	56
47	Validating a Predictive Structure-Property Relationship by Discovery of Novel Polymers which Reduce Bacterial Biofilm Formation. <i>Advanced Materials</i> , 2019, 31, e1903513.	11.1	39
48	Wireless Nanobioelectronics for Electrical Intracellular Sensing. <i>ACS Applied Nano Materials</i> , 2019, 2, 6397-6408.	2.4	16
49	Polymer Microparticles with Defined Surface Chemistry and Topography Mediate the Formation of Stem Cell Aggregates and Cardiomyocyte Function. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34560-34574.	4.0	25
50	Water-based 3D inkjet printing of an oral pharmaceutical dosage form. <i>International Journal of Pharmaceutics</i> , 2019, 564, 359-368.	2.6	62
51	Remotely Controlled <i>In Situ</i> Growth of Silver Microwires Forming Bioelectronic Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 8928-8936.	4.0	9
52	Simultaneous Tracking of <i>Pseudomonas aeruginosa</i> Motility in Liquid and at the Solid-Liquid Interface Reveals Differential Roles for the Flagellar Stators. <i>MSystems</i> , 2019, 4, .	1.7	16
53	Toward Interpretable Machine Learning Models for Materials Discovery. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900045.	3.3	25
54	Lipids and polymers in pharmaceutical technology: Lifelong companions. <i>International Journal of Pharmaceutics</i> , 2019, 558, 128-142.	2.6	101

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55	Establishing a New Method to Evaluate the Recrystallization of Nanogram Quantities of Paracetamol Printed as a Microarray Using Inkjet Printing. <i>Crystal Growth and Design</i> , 2019, 19, 638-647.	1.4	1
56	Effect of surfactant on <i>Pseudomonas aeruginosa</i> colonization of polymer microparticles and flat films. <i>RSC Advances</i> , 2018, 8, 15352-15357.	1.7	10
57	3D extrusion printing of high drug loading immediate release paracetamol tablets. <i>International Journal of Pharmaceutics</i> , 2018, 538, 223-230.	2.6	171
58	Identification of Novel Inks for 3D Printing Using High-Throughput Screening: Bioresorbable Photocurable Polymers for Controlled Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6841-6848.	4.0	44
59	Improved Extraction Repeatability and Spectral Reproducibility for Liquid Extraction Surface Analysis Mass Spectrometry Using Superhydrophobic Superhydrophilic Patterning. <i>Analytical Chemistry</i> , 2018, 90, 6001-6005.	3.2	15
60	Prediction of Broad-Spectrum Pathogen Attachment to Coating Materials for Biomedical Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 139-149.	4.0	43
61	Synthetic Light-Curable Polymeric Materials Provide a Supportive Niche for Dental Pulp Stem Cells. <i>Advanced Materials</i> , 2018, 30, 1704486.	11.1	35
62	High-Throughput Assessment and Modeling of a Polymer Library Regulating Human Dental Pulp-Derived Stem Cell Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38739-38748.	4.0	17
63	High-Throughput Miniaturized Screening of Nanoparticle Formation via Inkjet Printing. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800146.	1.7	8
64	Electrochemically stimulating developments in bioelectronic medicine. <i>Bioelectronic Medicine</i> , 2018, 4, 1.	1.0	31
65	Extrusion 3D Printing of Paracetamol Tablets from a Single Formulation with Tunable Release Profiles Through Control of Tablet Geometry. <i>AAPS PharmSciTech</i> , 2018, 19, 3403-3413.	1.5	98
66	Bioprinting Using Mechanically Robust Core-Shell Cell-Laden Hydrogel Strands. <i>Macromolecular Bioscience</i> , 2017, 17, 1600472.	2.1	49
67	Sample rotation improves gas cluster sputter depth profiling of polymers. <i>Surface and Interface Analysis</i> , 2017, 49, 953-959.	0.8	11
68	Image based Machine Learning for identification of macrophage subsets. <i>Scientific Reports</i> , 2017, 7, 3521.	1.6	117
69	Development and characterization of a stable adhesive bond between a poly(dimethylsiloxane) catheter material and a bacterial biofilm resistant acrylate polymer coating. <i>Biointerphases</i> , 2017, 12, 02C412.	0.6	22
70	Intracellular Drug Uptake—A Comparison of Single Cell Measurements Using ToF-SIMS Imaging and Quantification from Cell Populations with LC/MS/MS. <i>Analytical Chemistry</i> , 2017, 89, 11944-11953.	3.2	33
71	The 3D OrbiSIMS label-free metabolic imaging with subcellular lateral resolution and high mass-resolving power. <i>Nature Methods</i> , 2017, 14, 1175-1183.	9.0	327
72	Water contact angle is not a good predictor of biological responses to materials. <i>Biointerphases</i> , 2017, 12, 02C201.	0.6	49

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73	Versatile Routes to Functional RAFT Chain Transfer Agents through the Passerini Multicomponent Reaction. <i>ACS Macro Letters</i> , 2017, 6, 781-785.	2.3	7
74	3D printing of tablets using inkjet with UV photoinitiation. <i>International Journal of Pharmaceutics</i> , 2017, 529, 523-530.	2.6	157
75	3D inkjet printing of tablets exploiting bespoke complex geometries for controlled and tuneable drug release. <i>Journal of Controlled Release</i> , 2017, 261, 207-215.	4.8	224
76	Film thickness measurement and contamination layer correction for quantitative XPS. <i>Surface and Interface Analysis</i> , 2016, 48, 164-172.	0.8	27
77	Combinatorial Biomolecular Nanopatterning for High-Throughput Screening of Stem Cell Behavior. <i>Advanced Materials</i> , 2016, 28, 1472-1476.	11.1	17
78	3D chemical characterization of frozen hydrated hydrogels using ToF-SIMS with argon cluster sputter depth profiling. <i>Biointerphases</i> , 2016, 11, 02A301.	0.6	11
79	The influence of nanotexturing of poly(lactic-co-glycolic acid) films upon human ovarian cancer cell attachment. <i>Nanotechnology</i> , 2016, 27, 255102.	1.3	3
80	Identification of polymer surface adsorbed proteins implicated in pluripotent human embryonic stem cell expansion. <i>Biomaterials Science</i> , 2016, 4, 1381-1391.	2.6	19
81	Application of Targeted Molecular and Material Property Optimization to Bacterial Attachment-Resistant (Meth)acrylate Polymers. <i>Biomacromolecules</i> , 2016, 17, 2830-2838.	2.6	26
82	Making Silicone Rubber Highly Resistant to Bacterial Attachment Using Thiol-ene Grafting. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 30780-30787.	4.0	41
83	Development, printability and post-curing studies of formulations of materials resistant to microbial attachment for use in inkjet based 3D printing. <i>Rapid Prototyping Journal</i> , 2016, 22, 835-841.	1.6	18
84	The impact of surface chemistry modification on macrophage polarisation. <i>Immunobiology</i> , 2016, 221, 1237-1246.	0.8	86
85	Engineering serendipity: High-throughput discovery of materials that resist bacterial attachment. <i>Acta Biomaterialia</i> , 2016, 34, 84-92.	4.1	30
86	Imaging of Crystalline and Amorphous Surface Regions Using Time-of-Flight Secondary-Ion Mass Spectrometry (ToF-SIMS): Application to Pharmaceutical Materials. <i>Analytical Chemistry</i> , 2016, 88, 3481-3487.	3.2	15
87	High throughput screening for discovery of materials that control stem cell fate. <i>Current Opinion in Solid State and Materials Science</i> , 2016, 20, 202-211.	5.6	38
88	Single-Cell Analysis: Visualizing Pharmaceutical and Metabolite Uptake in Cells with Label-Free 3D Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2015, 87, 6696-6702.	3.2	135
89	A defined synthetic substrate for serum-free culture of human stem cell derived cardiomyocytes with improved functional maturity identified using combinatorial materials microarrays. <i>Biomaterials</i> , 2015, 61, 257-265.	5.7	47
90	Authentication of processed meat products by peptidomic analysis using rapid ambient mass spectrometry. <i>Food Chemistry</i> , 2015, 187, 297-304.	4.2	77

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91	Discovery of a Novel Polymer for Human Pluripotent Stem Cell Expansion and Multilineage Differentiation. <i>Advanced Materials</i> , 2015, 27, 4006-4012.	11.1	75
92	Scaling human pluripotent stem cell expansion and differentiation: are cell factories becoming a reality?. <i>Regenerative Medicine</i> , 2015, 10, 925-930.	0.8	6
93	3D ToF-SIMS Imaging of Polymer Multilayer Films Using Argon Cluster Sputter Depth Profiling. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2654-2659.	4.0	54
94	Revealing cytokine-induced changes in the extracellular matrix with secondary ion mass spectrometry. <i>Acta Biomaterialia</i> , 2015, 14, 70-83.	4.1	11
95	Impact of surface chemistry and topography on the function of antigen presenting cells. <i>Biomaterials Science</i> , 2015, 3, 424-441.	2.6	71
96	Multivariate ToF-SIMS image analysis of polymer microarrays and protein adsorption. <i>Biointerphases</i> , 2015, 10, 019005.	0.6	27
97	3D printing of tablets containing multiple drugs with defined release profiles. <i>International Journal of Pharmaceutics</i> , 2015, 494, 643-650.	2.6	384
98	Heparin molecularly imprinted surfaces for the attenuation of complement activation in blood. <i>Biomaterials Science</i> , 2015, 3, 1208-1217.	2.6	19
99	3D printing of five-in-one dose combination polypill with defined immediate and sustained release profiles. <i>Journal of Controlled Release</i> , 2015, 217, 308-314.	4.8	446
100	Measuring Compositions in Organic Depth Profiling: Results from a VAMAS Interlaboratory Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10784-10797.	1.2	56
101	Bacterial Attachment to Polymeric Materials Correlates with Molecular Flexibility and Hydrophilicity. <i>Advanced Healthcare Materials</i> , 2015, 4, 695-701.	3.9	62
102	<i>Materiomics</i> , 2014, , 253-281.		6
103	Fumed Silica Nanoparticle Mediated Biomimicry for Optimal Cell-Material Interactions for Artificial Organ Development. <i>Macromolecular Bioscience</i> , 2014, 14, 307-313.	2.1	8
104	Modelling and Prediction of Bacterial Attachment to Polymers. <i>Advanced Functional Materials</i> , 2014, 24, 2085-2093.	7.8	48
105	Materials for stem cell factories of the future. <i>Nature Materials</i> , 2014, 13, 570-579.	13.3	145
106	Desktop 3D printing of controlled release pharmaceutical bilayer tablets. <i>International Journal of Pharmaceutics</i> , 2014, 461, 105-111.	2.6	404
107	Characterisation of a micro-plasma for ambient mass spectrometry imaging. <i>Analyst</i> , The, 2014, 139, 5430-5438.	1.7	12
108	Chemically diverse polymer microarrays and high throughput surface characterisation: a method for discovery of materials for stem cell culture. <i>Biomaterials Science</i> , 2014, 2, 1604-1611.	2.6	33

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109	Thermally Switchable Polymers Achieve Controlled <i>Escherichia coli</i> Detachment. <i>Advanced Healthcare Materials</i> , 2014, 3, 1020-1025.	3.9	7
110	Tryptic Digestion Coupled with Ambient Desorption Electrospray Ionization and Liquid Extraction Surface Analysis Mass Spectrometry Enabling Identification of Skeletal Muscle Proteins in Mixtures and Distinguishing between Beef, Pork, Horse, Chicken, and Turkey Meat. <i>Analytical Chemistry</i> , 2014, 86, 4479-4487.	3.2	62
111	High throughput screening for biomaterials discovery. <i>Journal of Controlled Release</i> , 2014, 190, 115-126.	4.8	38
112	Surface modification of silicone via colloidal deposition of amphiphilic block copolymers. <i>Polymer Chemistry</i> , 2014, 5, 6687-6701.	1.9	7
113	Rapid Detection of Peptide Markers for Authentication Purposes in Raw and Cooked Meat Using Ambient Liquid Extraction Surface Analysis Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 10257-10265.	3.2	72
114	High throughput discovery of thermo-responsive materials using water contact angle measurements and time-of-flight secondary ion mass spectrometry. <i>Surface and Interface Analysis</i> , 2013, 45, 181-184.	0.8	19
115	Strategies for MCR image analysis of large hyperspectral datasets. <i>Surface and Interface Analysis</i> , 2013, 45, 466-470.	0.8	15
116	ToF-SIMS imaging of a polymer microarray prepared using inkjet printing of acrylate monomers. <i>Surface and Interface Analysis</i> , 2013, 45, 202-205.	0.8	17
117	Ambient DESI and LESA-MS Analysis of Proteins Adsorbed to a Biomaterial Surface Using In-Situ Surface Tryptic Digestion. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1927-1936.	1.2	40
118	A bio-inspired neural environment to control neurons comprising radial glia, substrate chemistry and topography. <i>Biomaterials Science</i> , 2013, 1, 83-93.	2.6	24
119	Analysis and prediction of defects in UV photo-initiated polymer microarrays. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1035-1043.	2.9	18
120	The osteogenic response of mesenchymal stem cells to an injectable PLGA bone regeneration system. <i>Biomaterials</i> , 2013, 34, 9352-9364.	5.7	43
121	Discovery of Novel Materials with Broad Resistance to Bacterial Attachment Using Combinatorial Polymer Microarrays. <i>Advanced Materials</i> , 2013, 25, 2542-2547.	11.1	92
122	Multiple roles of Activin/Nodal, bone morphogenetic protein, fibroblast growth factor and Wnt/ $\beta$ -catenin signalling in the anterior neural patterning of adherent human embryonic stem cell cultures. <i>Open Biology</i> , 2013, 3, 120167.	1.5	30
123	Polymer Microarrays for High Throughput Discovery of Biomaterials. <i>Journal of Visualized Experiments</i> , 2012, , e3636.	0.2	21
124	Modelling human embryoid body cell adhesion to a combinatorial library of polymer surfaces. <i>Journal of Materials Chemistry</i> , 2012, 22, 20902.	6.7	42
125	Surface analysis using a new plasma assisted desorption/ionisation source for mass spectrometry in ambient air. <i>Review of Scientific Instruments</i> , 2012, 83, 063503.	0.6	15
126	Phosphatase responsive peptide surfaces. <i>Journal of Materials Chemistry</i> , 2012, 22, 12229.	6.7	21



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127	Use of imaging multivariate analysis to improve biochemical and anatomical discrimination in desorption electrospray ionisation mass spectrometry imaging. <i>Analyst</i> , The, 2012, 137, 3946.	1.7	18
128	Dynamics of anterior–posterior axis formation in the developing mouse embryo. <i>Nature Communications</i> , 2012, 3, 673.	5.8	86
129	Development and Validation of a Fluorescence Method to Follow the Build-up of Short Peptide Sequences on Solid 2D Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 53-58.	4.0	16
130	Neo-vascularization of the stroke cavity by implantation of human neural stem cells on VEGF-releasing PLGA microparticles. <i>Biomaterials</i> , 2012, 33, 7435-7446.	5.7	126
131	Combinatorial discovery of polymers resistant to bacterial attachment. <i>Nature Biotechnology</i> , 2012, 30, 868-875.	9.4	328
132	Chemical and spatial analysis of protein loaded PLGA microspheres for drug delivery applications. <i>Journal of Controlled Release</i> , 2012, 162, 321-329.	4.8	56
133	The Role of Albumin and Fibronectin in the Adhesion of Fibroblasts to Plasma Polymer Surfaces. <i>Plasma Processes and Polymers</i> , 2012, 9, 149-156.	1.6	64
134	Full-Thickness Characterization of Plasma Polymerized Hexane Films Irradiated by an Electron Beam. <i>Plasma Processes and Polymers</i> , 2012, 9, 22-27.	1.6	7
135	Rapid micropatterning of cell lines and human pluripotent stem cells on elastomeric membranes. <i>Biotechnology and Bioengineering</i> , 2012, 109, 2630-2641.	1.7	19
136	Characterisation of deposition and assembly of nanoparticles induced by ultrasonic process and temperature confinement. <i>Materials Letters</i> , 2012, 73, 107-111.	1.3	4
137	ToF-SIMS analysis of chemical heterogeneities in inkjet micro-array printed drug/polymer formulations. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 385-391.	1.7	44
138	Polymers with hydro-responsive topography identified using high throughput AFM of an acrylate microarray. <i>Soft Matter</i> , 2011, 7, 7194.	1.2	22
139	Surface Mass Spectrometry of Two Component Drug–Polymer Systems: Novel Chromatographic Separation Method Using Gentle-Secondary Ion Mass Spectrometry (G-SIMS). <i>Analytical Chemistry</i> , 2011, 83, 3627-3631.	3.2	18
140	Dimerization of Tri(4-bromophenyl)benzene by Aryl–Aryl Coupling from Solution on a Gold Surface. <i>Journal of the American Chemical Society</i> , 2011, 133, 4220-4223.	6.6	63
141	Enzyme-passage free culture of mouse embryonic stem cells on thermo-responsive polymer surfaces. <i>Journal of Materials Chemistry</i> , 2011, 21, 6883.	6.7	33
142	Substrate induced differentiation of human mesenchymal stem cells on hydrogels with modified surface chemistry and controlled modulus. <i>Soft Matter</i> , 2011, 7, 6501.	1.2	73
143	PE-CVD processes improve cell affinity of polymer scaffolds for tissue engineering. <i>Surface and Coatings Technology</i> , 2011, 205, S548-S551.	2.2	25
144	Inkjet printing as a novel medicine formulation technique. <i>Journal of Controlled Release</i> , 2011, 156, 179-185.	4.8	150

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145	Analytical techniques: surface and interfacial characterisation. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 664-666.	2.8	0
146	Hippocampal cell response to substrates with surface chemistry gradients. <i>Acta Biomaterialia</i> , 2011, 7, 4120-4130.	4.1	14
147	Uniform cell colonization of porous 3-D scaffolds achieved using radial control of surface chemistry. <i>Acta Biomaterialia</i> , 2011, 7, 3336-3344.	4.1	37
148	Patterning the mechanical properties of hydrogen silsesquioxane films using electron beam irradiation for application in mechano cell guidance. <i>Thin Solid Films</i> , 2011, 519, 2003-2010.	0.8	13
149	Surface-engineered substrates for improved human pluripotent stem cell culture under fully defined conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18714-18719.	3.3	137
150	Growing neural networks on gold surface plasmon resonance imaging sensors. , 2011, , .		1
151	Long-term imaging of fibroblasts in a microfluidic device. , 2011, , .		0
152	Preparation of Caco-2 cell sheets using plasma polymerised acrylic acid as a weak boundary layer. <i>Biomaterials</i> , 2010, 31, 6764-6771.	5.7	9
153	Polymer surface functionalities that control human embryoid body cell adhesion revealed by high throughput surface characterization of combinatorial material microarrays. <i>Biomaterials</i> , 2010, 31, 8827-8838.	5.7	93
154	Surface strategies for control of neuronal cell adhesion: A review. <i>Surface Science Reports</i> , 2010, 65, 145-173.	3.8	152
155	Characterisation of amino acid modified cellulose surfaces using ToF-SIMS and XPS. <i>Cellulose</i> , 2010, 17, 747-756.	2.4	35
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