

# Vanessa Trouillet

## List of Publications by Year in descending order

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131  
papers

4,994  
citations

116194

36  
h-index

120465

65  
g-index

134  
all docs

134  
docs citations

134  
times ranked

8006  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic influence of ultrathin aluminum oxide on the transistor device performance of binary indium/tin oxide films. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5447-5457.	2.7	2
2	Solution synthesis and dielectric properties of alumina thin films: understanding the role of the organic additive in film formation. <i>Dalton Transactions</i> , 2021, 50, 8811-8819.	1.6	0
3	Protein Microarray Immobilization via Epoxide Ring-Opening by Thiol, Amine, and Azide. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002117.	1.9	17
4	Cucurbit[ <i>n</i> ]uril-Immobilized Sensor Arrays for Indicator-Displacement Assays of Small Bioactive Metabolites. <i>ACS Applied Nano Materials</i> , 2021, 4, 4676-4687.	2.4	17
5	Reversible Diels-Alder and Michael Addition Reactions Enable the Facile Postsynthetic Modification of Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2021, 60, 4397-4409.	1.9	9
6	Substrate-Independent and Re-Writable Surface Patterning by Combining Polydopamine Coatings, Silanization, and Thiol-Ene Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2107716.	7.8	7
7	CMOS-Compatible, Flexible, Intracortical Neural Probes. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1366-1376.	2.5	11
8	Microplotter-Printed On-Chip Combinatorial Library of Ink-Derived Multiple Metal Oxides as an "Electronic Olfaction" Unit. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 56135-56150.	4.0	32
9	Photo-induced copper-mediated (meth)acrylate polymerization towards graphene oxide and reduced graphene oxide modification. <i>European Polymer Journal</i> , 2020, 134, 109810.	2.6	5
10	Chemical vapor deposited polymer layer for efficient passivation of planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20122-20132.	5.2	27
11	New $\text{Li}_{0.8}\text{M}_{0.1}\text{Ti}_2(\text{PO}_4)_3$ (M=Co, Mg) Electrode Materials for Lithium-Ion Batteries: In-Operando X-Ray Diffraction and Ex Situ X-ray Photoelectron Spectroscopy Investigations. <i>ChemElectroChem</i> , 2020, 7, 3637-3645.	1.7	3
12	Thioacetate-Based Initiators for the Synthesis of Thiol-End-Functionalized Poly(2-oxazoline)s. <i>Macromolecular Rapid Communications</i> , 2020, 41, 2000320.	2.0	2
13	Two-Step Laser Post-Processing for the Surface Functionalization of Additively Manufactured Ti-6Al-4V Parts. <i>Materials</i> , 2020, 13, 4872.	1.3	6
14	Molecular Changes in Vapor-Based Polymer Thin Films Assessed by Characterization of Swelling Properties of Amine-Functionalized Poly( <i>p</i> -xylylene). <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000213.	1.1	0
15	Solution-processed amorphous yttrium aluminum oxide $\text{YAl}_x\text{O}_y$ and aluminum oxide $\text{Al}_x\text{O}_y$ , and their functional dielectric properties and performance in thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8521-8530.	2.7	17
16	In Situ X-ray Diffraction and X-ray Absorption Spectroscopic Studies of a Lithium-Rich Layered Positive Electrode Material: Comparison of Composite and Core-Shell Structures. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 13852-13868.	4.0	17
17	Understanding the Lithium Storage Mechanism in Core-Shell $\text{Fe}_2\text{O}_3$ @C Hollow Nanospheres Derived from Metal-Organic Frameworks: An In operando Synchrotron Radiation Diffraction and in operando X-ray Absorption Spectroscopy Study. <i>Chemistry of Materials</i> , 2019, 31, 5633-5645.	3.2	28
18	Controlling biofilm formation with nitroxide functional surfaces. <i>Polymer Chemistry</i> , 2019, 10, 4252-4258.	1.9	15

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19	Influence of the Spatial Conformation of Charged Ligands on the Optical Properties of Gold Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26705-26717.	1.5	15
20	MnO <sub>2</sub> and Reduced Graphene Oxide as Bifunctional Electrocatalysts for Li <sup>+</sup> O <sub>2</sub> Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 7121-7131.	2.5	19
21	Solid-phase combinatorial synthesis using microarrays of microcompartments with light-induced on-chip cell screening. <i>Materials Today Bio</i> , 2019, 3, 100022.	2.6	13
22	The Multisensor Array Based on Grown-On-Chip Zinc Oxide Nanorod Network for Selective Discrimination of Alcohol Vapors at Sub-ppm Range. <i>Sensors</i> , 2019, 19, 4265.	2.1	34
23	Reactive block copolymers for patterned surface immobilization with sub-30 nm spacing. <i>Polymer Chemistry</i> , 2019, 10, 1344-1356.	1.9	10
24	Impact of particle size, oxidation state and capping agent of different cerium dioxide nanoparticles on the phosphate-induced transformations at different pH and concentration. <i>PLoS ONE</i> , 2019, 14, e0217483.	1.1	32
25	High photoluminescence of shortwave infrared-emitting anisotropic surface charged gold nanoclusters. <i>Nanoscale</i> , 2019, 11, 12092-12096.	2.8	44
26	<i>In Operando</i> analysis of the charge storage mechanism in a conversion ZnCo <sub>2</sub> O <sub>4</sub> anode and the application in flexible Li-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1861-1872.	3.0	10
27	Photoiniferter surface grafting of poly(methyl acrylate) using xanthates. <i>Journal of Polymer Science Part A</i> , 2019, 57, 2002-2007.	2.5	4
28	Are Functional Groups Beneficial or Harmful on the Electrochemical Performance of Activated Carbon Electrodes?. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1004-A1014.	1.3	36
29	Laser-Grafted Molecularly Imprinted Polymers for the Detection of Histamine from Organocatalyzed Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2019, 52, 2304-2313.	2.2	27
30	NIR-Emitting Gold Nanoclusters-Modified Gelatin Nanoparticles as a Bioimaging Agent in Tissue. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900993.	3.9	24
31	Synthesis, oxide formation, properties and thin film transistor properties of yttrium and aluminium oxide thin films employing a molecular-based precursor route. <i>RSC Advances</i> , 2019, 9, 31386-31397.	1.7	13
32	Evaluation of click chemistry microarrays for immunosensing of alpha-fetoprotein (AFP). <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 2505-2515.	1.5	7
33	<i>In Operando</i> Synchrotron Diffraction and <i>In Operando</i> X-ray Absorption Spectroscopy Investigations of Orthorhombic V <sub>2</sub> O <sub>5</sub> Nanowires as Cathode Materials for Mg-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 2305-2315.	6.6	69
34	Reversible Surface Engineering via Nitrene-Mediated Radical Coupling. <i>Langmuir</i> , 2018, 34, 3244-3255.	1.6	3
35	Bioinspired Strategy for Controlled Polymerization and Photopatterning of Plant Polyphenols. <i>Chemistry of Materials</i> , 2018, 30, 1937-1946.	3.2	30
36	Engineering Nitroxide Functional Surfaces Using Bioinspired Adhesion. <i>Langmuir</i> , 2018, 34, 3264-3274.	1.6	21

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37	Site-Specific Surface Functionalization via Microchannel Cantilever Spotting ( $\mu$ CS): Comparison between Azide-Alkyne and Thiol-Alkyne Click Chemistry Reactions. <i>Small</i> , 2018, 14, e1800131.	5.2	29
38	Surface analytical characterization of $\text{LiNi}_{0.8}\text{Mn}_{0.2}\text{O}_2$ ( $\text{O}_2$ ) compounds for lithium-ion battery electrodes. <i>Surface and Interface Analysis</i> , 2018, 50, 1132-1137.		18
39	2D laser lithography on silicon substrates via photoinduced copper-mediated radical polymerization. <i>Chemical Communications</i> , 2018, 54, 751-754.	2.2	12
40	Electrochemical and structural investigations of different polymorphs of $\text{TiO}_2$ in magnesium and hybrid lithium/magnesium batteries. <i>Electrochimica Acta</i> , 2018, 277, 20-29.	2.6	35
41	Dual-Gated Microparticles for Switchable Antibody Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1450-1462.	4.0	10
42	Surface analytical approaches to reliably characterize lithium ion battery electrodes. <i>Surface and Interface Analysis</i> , 2018, 50, 43-51.	0.8	42
43	Spatially-Resolved Multiple Metallopolymer Surfaces by Photolithography. <i>Chemistry - A European Journal</i> , 2018, 24, 18933-18943.	1.7	10
44	A Comparative Study of Thiol-Terminated Surface Modification by Click Reactions: Thiol-ene Coupling versus Thiol-ene Michael Addition. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801343.	1.9	11
45	Dynamic Nitroxide Functional Materials. <i>Chemistry - A European Journal</i> , 2018, 24, 18873-18879.	1.7	6
46	Surface Functionalization and Patterning by Multifunctional Resorcinarenes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39268-39278.	4.0	14
47	Thermal transformations of manufactured nanomaterials as a proposed proxy for ageing. <i>Environmental Science: Nano</i> , 2018, 5, 1618-1627.	2.2	4
48	Surface-initiated RAFT polymerization from vapor-based polymer coatings. <i>Polymer</i> , 2018, 150, 26-34.	1.8	10
49	Elucidating the energy storage mechanism of $\text{ZnMn}_2\text{O}_4$ as promising anode for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19381-19392.	5.2	57
50	Activation and degradation of electrospun $\text{LiFePO}_4$ battery cathodes. <i>Journal of Power Sources</i> , 2018, 396, 386-394.	4.0	21
51	Direct light-induced (co-)grafting of photoactive polymers to graphitic nanodiamonds. <i>Polymer Chemistry</i> , 2017, 8, 838-842.	1.9	6
52	pH-Responsive Aminomethyl Functionalized Poly(p-xylylene) Coatings by Chemical Vapor Deposition Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600521.	1.1	8
53	Zwitterion functionalized gold nanoclusters for multimodal near infrared fluorescence and photoacoustic imaging. <i>APL Materials</i> , 2017, 5, .	2.2	52
54	UV-Triggered Polymerization, Deposition, and Patterning of Plant Phenolic Compounds. <i>Advanced Functional Materials</i> , 2017, 27, 1700127.	7.8	111

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55	Spatial separation of photogenerated electron-hole pairs in solution-grown ZnO tandem core-shell nanowire arrays toward highly sensitive photoelectrochemical detection of hydrogen peroxide. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14397-14405.	5.2	19
56	Polylutidines: Multifunctional Surfaces through Vapor-Based Polymerization of Substituted Pyridinophanes. <i>Chemistry - A European Journal</i> , 2017, 23, 13342-13350.	1.7	12
57	Development of scalable and versatile nanomaterial libraries for nanosafety studies: polyvinylpyrrolidone (PVP) capped metal oxide nanoparticles. <i>RSC Advances</i> , 2017, 7, 3894-3906.	1.7	18
58	Adaptable bioinspired special wetting surface for multifunctional oil/water separation. <i>Scientific Reports</i> , 2017, 7, 39970.	1.6	40
59	Chemically reprogrammable metal organic frameworks (MOFs) based on Diels-Alder chemistry. <i>Chemical Communications</i> , 2017, 53, 11461-11464.	2.2	18
60	Organocatalyzed Photo-Atom Transfer Radical Polymerization of Methacrylic Acid in Continuous Flow and Surface Grafting. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700423.	2.0	39
61	Understanding the lithiation/delithiation process in SnP2O7 anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 252, 446-452.	2.6	21
62	Bioinstructive Coatings for Hematopoietic Stem Cell Expansion Based on Chemical Vapor Deposition Copolymerization. <i>Biomacromolecules</i> , 2017, 18, 3089-3098.	2.6	7
63	Investigation of binder distribution in graphite anodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2017, 340, 1-5.	4.0	133
64	Lithium-air battery cathode modification via an unconventional thermal method employing borax. <i>RSC Advances</i> , 2016, 6, 66307-66310.	1.7	1
65	Single-Molecule Encapsulation: A Straightforward Route to Highly Stable and Printable Enzymes. <i>Small</i> , 2016, 12, 1716-1722.	5.2	32
66	Fabrication of Conductive 3D Gold-Containing Microstructures via Direct Laser Writing. <i>Advanced Materials</i> , 2016, 28, 3592-3595.	11.1	127
67	Replication of Polymer-Based Peptide Microarrays by Multi-Step Transfer. <i>ChemNanoMat</i> , 2016, 2, 897-903.	1.5	3
68	Direct Mapping of RAFT Controlled Macromolecular Growth on Surfaces via Single Molecule Force Spectroscopy. <i>ACS Macro Letters</i> , 2016, 5, 498-503.	2.3	18
69	Thermoresponsive Agarose Based Microparticles for Antibody Separation. <i>Biomacromolecules</i> , 2016, 17, 280-290.	2.6	11
70	Wavelength selective polymer network formation of end-functional star polymers. <i>Chemical Communications</i> , 2016, 52, 1975-1978.	2.2	43
71	Polymer Functional Nanodiamonds by Light-Induced Ligation. <i>Macromolecules</i> , 2016, 49, 1712-1721.	2.2	21
72	Maleimide-functionalized poly(2-ethyl-2-oxazoline): synthesis and reactivity. <i>Polymer Chemistry</i> , 2016, 7, 2419-2426.	1.9	10

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73	Controlled radical polymerization and in-depth mass-spectrometric characterization of poly(ionic) Tj ETQq1 1 0.784314 rgBT JOverloc	1.9	38
74	Surface Grafting via Photo-Induced Copper-Mediated Radical Polymerization at Extremely Low Catalyst Concentrations. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1681-1686.	2.0	50
75	Bismuth Molybdate Catalysts Prepared by Mild Hydrothermal Synthesis: Influence of pH on the Selective Oxidation of Propylene. <i>Catalysts</i> , 2015, 5, 1554-1573.	1.6	38
76	ATRP-based polymers with modular ligation points under thermal and thermomechanical stress. <i>Polymer Chemistry</i> , 2015, 6, 2854-2868.	1.9	18
77	A Photolithographic Approach to Spatially Resolved Cross-Linked Nanolayers. <i>Langmuir</i> , 2015, 31, 3242-3253.	1.6	5
78	Pd-complex driven formation of single-chain nanoparticles. <i>Polymer Chemistry</i> , 2015, 6, 4358-4365.	1.9	90
79	Macromolecular Surface Design: Photopatterning of Functional Stable Nitrile Oxides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5777-5783.	7.2	37
80	Soot and hydrocarbon oxidation over vanadia-based SCR catalysts. <i>Catalysis Today</i> , 2015, 258, 461-469.	2.2	31
81	Li-Si thin films for battery applications produced by ion-beam co-sputtering. <i>RSC Advances</i> , 2015, 5, 7192-7195.	1.7	23
82	Ultra-long zinc oxide nanowires and boron doping based on ionic liquid assisted thermal chemical vapor deposition growth. <i>Nanoscale</i> , 2015, 7, 92-97.	2.8	12
83	One-step synthesis of bismuth molybdate catalysts via flame spray pyrolysis for the selective oxidation of propylene to acrolein. <i>Chemical Communications</i> , 2014, 50, 15404-15406.	2.2	36
84	Coat formation of surface-active proteins on aqueous surfaces during drying. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 53-60.	2.5	5
85	Ambient Temperature Ligation of Diene Functional Polymer and Peptide Strands onto Cellulose via Photochemical and Thermal Protocols. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1121-1127.	2.0	19
86	Photo-Patterning of Non-Fouling Polymers and Biomolecules on Paper. <i>Advanced Materials</i> , 2014, 26, 4087-4092.	11.1	79
87	Effect of Protein Adsorption on the Fluorescence of Ultrasmall Gold Nanoclusters. <i>Small</i> , 2014, 10, 1667-1667.	5.2	8
88	Fusing Catechol-Driven Surface Anchoring with Rapid Hetero Diels-Alder Ligation. <i>ACS Macro Letters</i> , 2014, 3, 1169-1173.	2.3	17
89	Photo-Induced Functionalization of Spherical and Planar Surfaces via Caged Thioaldehyde End-Functional Polymers. <i>Advanced Functional Materials</i> , 2014, 24, 5649-5661.	7.8	25
90	Temperature Responsive Cellulose-graft-Copolymers via Cellulose Functionalization in an Ionic Liquid and RAFT Polymerization. <i>Biomacromolecules</i> , 2014, 15, 2563-2572.	2.6	79

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91	Light-induced modification of silver nanoparticles with functional polymers. Chemical Communications, 2014, 50, 4430-4433.	2.2	18
92	Ligand effect on the size, valence state and red/near infrared photoluminescence of bidentate thiol gold nanoclusters. Nanoscale, 2014, 6, 8091-8099.	2.8	56
93	Reversible Li <sup>+</sup> Storage in a LiMnTiO <sub>4</sub> Spinel and Its Structural Transition Mechanisms. Journal of Physical Chemistry C, 2014, 118, 12608-12616.	1.5	37
94	Selective oxidation of propylene to acrolein by hydrothermally synthesized bismuth molybdates. Applied Catalysis A: General, 2014, 482, 145-156.	2.2	41
95	A facile avenue to conductive polymer brushes via cyclopentadiene-maleimide Diels-Alder ligation. Chemical Communications, 2013, 49, 8623.	2.2	33
96	Potential and Limitations of Natural Chabazite for Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . Chemie-Ingenieur-Technik, 2013, 85, 632-641.	0.4	8
97	Spatially Controlled Photochemical Peptide and Polymer Conjugation on Biosurfaces. Biomacromolecules, 2013, 14, 4340-4350.	2.6	46
98	Access to Intrinsically Glucoside-Based Microspheres with Boron Affinity. Macromolecular Rapid Communications, 2013, 34, 916-921.	2.0	4
99	Preparation of Reactive Three-Dimensional Microstructures via Direct Laser Writing and Thiolene Chemistry. Macromolecular Rapid Communications, 2013, 34, 335-340.	2.0	69
100	A facile one-pot route to poly(carboxybetaine acrylamide) functionalized SWCNTs. Chemical Communications, 2013, 49, 6734.	2.2	17
101	Enhancing the gas selectivity of single-crystal SnO <sub>2</sub> :Pt thin-film chemiresistor microarray by SiO <sub>2</sub> membrane coating. Sensors and Actuators B: Chemical, 2013, 185, 59-69.	4.0	27
102	Grafting Efficiency of Synthetic Polymers onto Biomaterials: A Comparative Study of Grafting-from versus Grafting-to. Biomacromolecules, 2013, 14, 64-74.	2.6	137
103	Photo-Sensitive RAFT-Agents for Advanced Microparticle Design. Macromolecules, 2013, 46, 6858-6872.	2.2	37
104	Structural and optical properties of size controlled Si nanocrystals in Si <sub>3</sub> N <sub>4</sub> matrix: The nature of photoluminescence peak shift. Journal of Applied Physics, 2013, 114, .	1.1	31
105	Biomimetic Dopamine-Diels-Alder Switches. Macromolecular Rapid Communications, 2013, 34, 640-644.	2.0	33
106	Photochemical Generation of Light Responsive Surfaces. Advanced Functional Materials, 2013, 23, 4011-4019.	7.8	58
107	Synthesis of Yellow-Emitting Platinum Nanoclusters by Ligand Etching. Journal of Physical Chemistry C, 2012, 116, 6047-6051.	1.5	64
108	High photostability and enhanced fluorescence of gold nanoclusters by silver doping. Nanoscale, 2012, 4, 7624.	2.8	102

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109	Modular design of glyco-microspheres via mild pericyclic reactions and their quantitative analysis. <i>Polymer Chemistry</i> , 2012, 3, 2605.	1.9	26
110	New Approaches for Bottom-Up Assembly of Tobacco Mosaic Virus-Derived Nucleoprotein Tubes on Defined Patterns on Silica- and Polymer-Based Substrates. <i>Langmuir</i> , 2012, 28, 14867-14877.	1.6	34
111	Ultra-small fluorescent silver nanoclusters: Protein adsorption and its effects on cellular responses. <i>Nano Research</i> , 2012, 5, 531-542.	5.8	129
112	Structure and chemical composition of mixed benzylguanine- and methoxy-terminated self-assembled monolayers for immobilization of biomolecules. <i>Surface and Interface Analysis</i> , 2012, 44, 909-913.	0.8	12
113	Effect of Protein Adsorption on the Fluorescence of Ultra-small Gold Nanoclusters. <i>Small</i> , 2012, 8, 661-665.	5.2	159
114	A detailed surface analytical study of degradation processes in (meth)acrylic polymers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1801-1811.	2.5	22
115	A Facile Route to Boronic Acid Functional Polymeric Microspheres via Epoxide Ring Opening. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1108-1113.	2.0	15
116	Modular Ligation of Thioamide Functional Peptides onto Solid Cellulose Substrates. <i>Advanced Functional Materials</i> , 2012, 22, 3853-3864.	7.8	46
117	Microwave-assisted rapid synthesis of luminescent gold nanoclusters for sensing Hg <sup>2+</sup> in living cells using fluorescence imaging. <i>Nanoscale</i> , 2012, 4, 4155.	2.8	211
118	Structural and chemical characterization of SnO <sub>2</sub> -based nanoparticles as electrode material in Li-ion batteries. <i>Journal of Materials Science</i> , 2012, 47, 4383-4391.	1.7	16
119	Facile preparation of water-soluble fluorescent gold nanoclusters for cellular imaging applications. <i>Nanoscale</i> , 2011, 3, 2009.	2.8	278
120	Formation of Fluorescent Metal (Au, Ag) Nanoclusters Capped in Bovine Serum Albumin Followed by Fluorescence and Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10955-10963.	1.5	365
121	One-Pot Synthesis of Near-Infrared Fluorescent Gold Clusters for Cellular Fluorescence Lifetime Imaging. <i>Small</i> , 2011, 7, 2614-2620.	5.2	334
122	Dynamic Covalent Chemistry on Surfaces Employing Highly Reactive Cyclopentadienyl Moieties. <i>Advanced Materials</i> , 2011, 23, 4435-4439.	11.1	42
123	Control of wettability of hydrogenated amorphous carbon thin films by laser-assisted micro- and nanostructuring. <i>Applied Surface Science</i> , 2011, 257, 7907-7912.	3.1	34
124	Design of Chemically Activated Polymer Microwells by One-Step UV-Lithography for Stem Cell Adhesion. <i>Langmuir</i> , 2010, 26, 2050-2056.	1.6	7
125	Spatially controlled cell adhesion on three-dimensional substrates. <i>Biomedical Microdevices</i> , 2010, 12, 787-795.	1.4	18
126	Benzylguanine Thiol Self-Assembled Monolayers for the Immobilization of SNAP-tag Proteins on Microcontact-Printed Surface Structures. <i>Langmuir</i> , 2010, 26, 6097-6101.	1.6	50

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127	Laser-assisted structuring and modification of LiCoO <sub>2</sub> thin films. , 2009, , .		12
128	Laser- and UV-assisted modification of polystyrene surfaces for control of protein adsorption and cell adhesion. Applied Surface Science, 2009, 255, 5453-5457.	3.1	71
129	Synthesis and characterization of nanoscale Al-Si-O gradient membranes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 927-931.	0.9	7
130	Tailored stoichiometries of silicon carbonitride thin films prepared by combined radio frequency magnetron sputtering and ion beam synthesis. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 1114-1119.	0.9	8
131	Surface analytical characterization of SiO <sub>2</sub> gradient membrane coatings on gas sensor microarrays. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1109-1114.	0.9	4