

Gyula Julius Vancso

List of Publications by Year in descending order

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191
papers

7,901
citations

44042

48
h-index

66879

78
g-index

200
all docs

200
docs citations

200
times ranked

8676
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Performance of Pd Nanoparticles Obtained by Direct Reduction in Celluloseâ€“Poly(ferrocenylsilane) Hybrid Sponges. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
2	Targeted Positioning of Quantum Dots Inside 3D Silicon Photonic Crystals Revealed by Synchrotron X-ray Fluorescence Tomography. <i>ACS Nano</i> , 2022, 16, 3674-3683.	7.3	7
3	Foaming of Polylactic Acid/Cellulose Nanocrystal Composites: Pickering Emulsion Templating for High-Homogeneity Filler Dispersions. <i>ACS Applied Polymer Materials</i> , 2022, 4, 111-120.	2.0	5
4	Initial bacterial retention on polydimethylsiloxane of various stiffnesses: The relevance of modulus (mis)match. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112709.	2.5	5
5	Lignin Nanoparticles as Highly Efficient, Recyclable Emulsifiers for Enhanced Oil Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9334-9344.	3.2	17
6	Poly(ferrocenylsilane) Hydrogels as a Foundry for Metal Nanoparticle Synthesis by Direct Reduction of Electrolytes via a Catalytic Route. <i>ACS Applied Nano Materials</i> , 2022, 5, 8868-8874.	2.4	3
7	Designer Coreâ€“Shell Nanoparticles as Polymer Foam Cell Nucleating Agents: The Impact of Molecularly Engineered Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17034-17045.	4.0	12
8	Adhesion Engineering in Polymerâ€“Metal Comolded Joints with Biomimetic Polydopamine. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19244-19253.	4.0	20
9	Azobenzene-Based Cross-Linked Small-Molecule Vesicles for Precise Oxidative Damage Treatments Featuring Controlled and Prompt Molecular Release. <i>Chemistry of Materials</i> , 2021, 33, 7357-7366.	3.2	12
10	Fluorescent Polyethylene by In Situ Facile Synthesis of Carbon Quantum Dots Facilitated by Silica Nanoparticle Agglomerates. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5517-5526.	2.0	13
11	Highly Stable and Nonflammable Hydrated Salt-Paraffin Shape-Memory Gels for Sustainable Building Technology. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15442-15450.	3.2	16
12	Static and Dynamic Control of Fingerprint Landscapes of Liquid Crystal Network Coatings. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5265-5273.	4.0	9
13	Surface-grafted polyacrylonitrile brushes with aggregation-induced emission properties. <i>Polymer Chemistry</i> , 2020, 11, 669-674.	1.9	18
14	Interactions between sorbitolâ€“type nucleator and additives for polypropylene. <i>Polymer Engineering and Science</i> , 2020, 60, 3046-3055.	1.5	7
15	Sponges with Janus Character from Nanocellulose: Preparation and Applications in the Treatment of Hemorrhagic Wounds. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901796.	3.9	32
16	Network Mesh Nanostructures in Crossâ€“Linked Poly(Dimethylsiloxane) Visualized by AFM. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000170.	1.1	10
17	Multifaceted applications of cellulosic porous materials in environment, energy, and health. <i>Progress in Polymer Science</i> , 2020, 106, 101253.	11.8	63
18	Polymer single chain imaging, molecular forces, and nanoscale processes by Atomic Force Microscopy: The ultimate proof of the macromolecular hypothesis. <i>Progress in Polymer Science</i> , 2020, 104, 101232.	11.8	23

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19	Cu ²⁺ -doping of polyanionic brushes: A facile route to prepare implant coatings with both antifouling and antibacterial properties. <i>European Polymer Journal</i> , 2020, 134, 109845.	2.6	17
20	Bubble Seeding Nanocavities: Multiple Polymer Foam Cell Nucleation by Polydimethylsiloxane-Grafted Designer Silica Nanoparticles. <i>ACS Nano</i> , 2020, 14, 1623-1634.	7.3	32
21	Layer-by-Layer Printing of Photopolymers in 3D: How Weak is the Interface?. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8908-8914.	4.0	76
22	Multifunctional and Recyclable Photothermally Responsive Cryogels as Efficient Platforms for Wound Healing. <i>Advanced Functional Materials</i> , 2019, 29, 1904402.	7.8	227
23	Oscillating Surfaces Fueled by a Continuous AC Electric Field. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901292.	1.9	9
24	Enhanced Stability of Poly(3-sulfopropyl methacrylate potassium) Brushes Coated on Artificial Implants in Combatting Bacterial Infections. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 21459-21465.	1.8	15
25	Printing "Smart" Inks of Redox-Responsive Organometallic Polymers on Microelectrode Arrays for Molecular Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37060-37068.	4.0	10
26	Fluorescent Patterns by Selective Grafting of a Telechelic Polymer. <i>ACS Applied Polymer Materials</i> , 2019, 1, 136-140.	2.0	17
27	Brush Swelling and Attachment Strength of Barnacle Adhesion Protein on Zwitterionic Polymer Films as a Function of Macromolecular Structure. <i>Langmuir</i> , 2019, 35, 8085-8094.	1.6	23
28	Chain End-Functionalized Polymer Brushes with Switchable Fluorescence Response. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800537.	1.1	22
29	Kinetic aspects of formation and processing of polycaprolactone polyurethanes <i>in situ</i> from a blocked isocyanate. <i>Polymer Chemistry</i> , 2018, 9, 1983-1995.	1.9	10
30	Angle-Dependent Atomic Force Microscopy Single-Chain Pulling of Adsorbed Macromolecules from Planar Surfaces Unveils the Signature of an Adsorption-Desorption Transition. <i>Journal of the American Chemical Society</i> , 2018, 140, 6408-6415.	6.6	12
31	Call for Papers for Zwitterionic Interfaces: Concepts and Emerging Applications. <i>Langmuir</i> , 2018, 34, 3375-3375.	1.6	1
32	Metal nanoparticle loading of gel-brush grafted polymer fibers in membranes for catalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7741-7748.	5.2	26
33	Size-Dependent Submerging of Nanoparticles in Polymer Melts: Effect of Line Tension. <i>Macromolecules</i> , 2018, 51, 2411-2417.	2.2	19
34	Controlled sub-10-nanometer poly(<i>N</i> -isopropylacrylamide) layers grafted from silicon by atom transfer radical polymerization. <i>Polymers for Advanced Technologies</i> , 2018, 29, 806-813.	1.6	12
35	Properties and Phase Structure of Polycaprolactone-Based Segmented Polyurethanes with Varying Hard and Soft Segments: Effects of Processing Conditions. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700214.	1.1	16
36	Thermoresponsive Membranes from Electrospun Mats with Switchable Wettability for Efficient Oil/Water Separations. <i>Macromolecules</i> , 2018, 51, 8435-8442.	2.2	43

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37	Thin cyclomatrix polyphosphazene films: interfacial polymerization of hexachlorocyclotriphosphazene with aromatic biphenols. <i>Polymer Chemistry</i> , 2018, 9, 3169-3180.	1.9	17
38	Designer poly(urea-siloxane) microspheres with controlled modulus and size: Synthesis, morphology, and nanoscale stiffness by AFM. <i>Polymer</i> , 2018, 150, 289-300.	1.8	11
39	Pick up, move and release of nanoparticles utilizing co-non-solvency of PNIPAM brushes. <i>Nanoscale</i> , 2017, 9, 1670-1675.	2.8	40
40	Substantially enhanced stability against degrafting of zwitterionic PMPC brushes by utilizing PGMA-linked initiators. <i>European Polymer Journal</i> , 2017, 89, 221-229.	2.6	39
41	Pulling angle-dependent force microscopy. <i>Review of Scientific Instruments</i> , 2017, 88, 033705.	0.6	6
42	Effect of Variations in Micropatterns and Surface Modulus on Marine Fouling of Engineering Polymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17508-17516.	4.0	48
43	Ion-selective Ionic Polymer Metal Composite (IPMC) Actuator Based on Crown Ether Containing Sulfonated Poly(Arylene Ether Ketone). <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600381.	1.7	22
44	Thermoresponsive Semi-IPN Hydrogel Microfibers from Continuous Fluidic Processing with High Elasticity and Fast Actuation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 901-908.	4.0	99
45	Synchrotron SAXS and Impedance Spectroscopy Unveil Nanostructure Variations in Redox-Responsive Porous Membranes from Poly(ferrocenylsilane) Poly(ionic liquid)s. <i>Macromolecules</i> , 2017, 50, 296-302.	2.2	19
46	Smart Windows: Switching Light Transmittance by Responsive Organometallic Poly(ionic liquid)s: Control by Cross Talk of Thermal and Redox Stimuli (Adv. Funct. Mater. 41/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	0
47	Silica-Assisted Nucleation of Polymer Foam Cells with Nanoscopic Dimensions: Impact of Particle Size, Line Tension, and Surface Functionality. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37929-37940.	4.0	41
48	Switching Light Transmittance by Responsive Organometallic Poly(ionic liquid)s: Control by Cross Talk of Thermal and Redox Stimuli. <i>Advanced Functional Materials</i> , 2017, 27, 1702784.	7.8	34
49	Covalent Binding of Bone Morphogenetic Protein-2 and Transforming Growth Factor- β 3 to 3D Plotted Scaffolds for Osteochondral Tissue Regeneration. <i>Biotechnology Journal</i> , 2017, 12, 1700072.	1.8	46
50	Poly(ferrocenylsilane) electrolytes as a gold nanoparticle foundry: two-in-one-redox synthesis and electrosteric stabilization, and sensing applications. <i>Nanoscale</i> , 2017, 9, 19255-19262.	2.8	26
51	Hydrogels with a Memory: Dual-Responsive, Organometallic Poly(ionic liquid)s with Hysteretic Volume-Phase Transition. <i>Journal of the American Chemical Society</i> , 2017, 139, 10029-10035.	6.6	45
52	Efficient and robust coatings using poly(2-methyl-2-oxazoline) and its copolymers for marine and bacterial fouling prevention. <i>Journal of Polymer Science Part A</i> , 2016, 54, 275-283.	2.5	39
53	Macromol. Rapid Commun. 23/2016. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1980-1980.	2.0	0
54	Nanocellular polymer foams nucleated by core-shell nanoparticles. <i>Polymer</i> , 2016, 104, 22-30.	1.8	23

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55	Cell Adhesion: Stem Cell Clinging by a Thread: AFM Measure of Polymer Brush Lateral Deformation (Adv. Mater. Interfaces 3/2016). Advanced Materials Interfaces, 2016, 3, .	1.9	2
56	Mechanical mapping and morphology across the length scales unveil structure-property relationships in polycaprolactone based polyurethanes. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2298-2310.	2.4	23
57	Measuring protein isoelectric points by AFM-based force spectroscopy using trace amounts of sample. Nature Nanotechnology, 2016, 11, 817-823.	15.6	89
58	Tunable friction by employment of co-non-solvency of PNIPAM brushes. Polymer, 2016, 102, 372-378.	1.8	34
59	Highly Swellable, Dual-Responsive Hydrogels Based on PNIPAM and Redox Active Poly(ferrocenylsilane) Poly(ionic liquid)s: Synthesis, Structure, and Properties. Macromolecular Rapid Communications, 2016, 37, 1939-1944.	2.0	43
60	PEG stabilized DNA α poly(ferrocenylsilane) polyplexes for gene delivery. Chemical Communications, 2016, 52, 7707-7710.	2.2	15
61	Stem Cell Clinging by a Thread: AFM Measure of Polymer Brush Lateral Deformation. Advanced Materials Interfaces, 2016, 3, 1500456.	1.9	40
62	Engineered, Robust Polyelectrolyte Multilayers by Precise Control of Surface Potential for Designer Protein, Cell, and Bacteria Adsorption. Langmuir, 2016, 32, 1338-1346.	1.6	29
63	Thin film hydrogels from redox responsive poly(ferrocenylsilanes): Preparation, properties, and applications in electrocatalysis. European Polymer Journal, 2015, 72, 535-542.	2.6	24
64	Organometallic polymers for electrode decoration in sensing applications. RSC Advances, 2015, 5, 106355-106376.	1.7	22
65	Optical imaging beyond the diffraction limit by SNEM: Effects of AFM tip modifications with thiol monolayers on imaging quality. Ultramicroscopy, 2015, 150, 79-87.	0.8	4
66	Nanocellular polymer foams as promising high performance thermal insulation materials. European Polymer Journal, 2015, 65, 33-45.	2.6	120
67	Polyion Multilayers with Precise Surface Charge Control for Antifouling. ACS Applied Materials & Interfaces, 2015, 7, 852-861.	4.0	90
68	Cosolvency-Induced Switching of the Adhesion between Poly(methyl methacrylate) Brushes. ACS Macro Letters, 2015, 4, 75-79.	2.3	42
69	Creeping Proteins in Microporous Structures: Polymer Brush-Assisted Fabrication of 3D Gradients for Tissue Engineering. Advanced Healthcare Materials, 2015, 4, 1169-1174.	3.9	39
70	Redox-Induced Backbiting of Surface-Tethered Alkylsulfonate Amphiphiles: Reversible Switching of Surface Wettability and Adherence. Langmuir, 2015, 31, 6343-6350.	1.6	14
71	Ordering and dynamics of oligo(phenylene ethynylene) self-assembled monolayers on Au(111). RSC Advances, 2015, 5, 42069-42074.	1.7	6
72	Synthesis of poly(arylene ether ketone)s bearing skeletal crown ether units for cation exchange membranes. Journal of Polymer Science Part A, 2015, 53, 2786-2793.	2.5	15

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73	Stretching of collapsed polymers causes an enhanced dissipative response of PNIPAM brushes near their LCST. <i>Soft Matter</i> , 2015, 11, 8508-8516.	1.2	56
74	Redox-responsive organometallic hydrogels for in situ metal nanoparticle synthesis. <i>Chemical Communications</i> , 2015, 51, 636-639.	2.2	36
75	Preparation and Friction Force Microscopy Measurements of Immiscible, Opposing Polymer Brushes. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	2
76	Solvent-induced immiscibility of polymer brushes eliminates dissipation channels. <i>Nature Communications</i> , 2014, 5, 3781.	5.8	80
77	Nanoscale scanning near-field ellipsometric microscopy (SNEM) imaging of heterogeneous polymers. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1652, 1.	0.1	0
78	Colloidal, water soluble probes constructed with quantum dots and amphiphilic poly(ferrocenylsilane) for smart redox sensing. <i>European Polymer Journal</i> , 2014, 54, 87-94.	2.6	11
79	Polymer bottlebrushes with a redox responsive backbone feel the heat: synthesis and characterization of dual responsive poly(ferrocenylsilane)s with PNIPAM side chains. <i>Polymer Chemistry</i> , 2014, 5, 771-783.	1.9	33
80	Multilayers of Fluorinated Amphiphilic Polyions for Marine Fouling Prevention. <i>Langmuir</i> , 2014, 30, 288-296.	1.6	50
81	Dynamics of oligo(phenylene-ethynylene) self-assembled monolayers on Au(1 1 1). <i>Chemical Physics Letters</i> , 2014, 614, 45-48.	1.2	5
82	Collapse from the top: brushes of poly(N-isopropylacrylamide) in co-nonsolvent mixtures. <i>Soft Matter</i> , 2014, 10, 3134.	1.2	42
83	Breathing Pores on Command: Redox-Responsive Spongy Membranes from Poly(ferrocenylsilane)s. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13789-13793.	7.2	90
84	Biomimicking Micropatterned Surfaces and Their Effect on Marine Biofouling. <i>Langmuir</i> , 2014, 30, 9165-9175.	1.6	94
85	Barnacle Larvae Exploring Surfaces with Variable Hydrophilicity: Influence of Morphology and Adhesion of "Footprint" Proteins by AFM. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13667-13676.	4.0	32
86	Redox-responsive organometallic microgel particles prepared from poly(ferrocenylsilane)s generated using microfluidics. <i>Chemical Communications</i> , 2014, 50, 3058-3060.	2.2	29
87	Electrografting of Stimuli-Responsive, Redox Active Organometallic Polymers to Gold from Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2014, 136, 7865-7868.	6.6	54
88	Sulfobetaine-based polymer brushes in marine environment: Is there an effect of the polymerizable group on the antifouling performance?. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 118-124.	2.5	59
89	Electrochemically controlled release of molecular guests from redox responsive polymeric multilayers and devices. <i>European Polymer Journal</i> , 2013, 49, 2477-2484.	2.6	43
90	Enhanced Stability of Low Fouling Zwitterionic Polymer Brushes in Seawater with Diblock Architecture. <i>Langmuir</i> , 2013, 29, 10859-10867.	1.6	97

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91	Cross-Linked Polyelectrolyte Multilayers for Marine Antifouling Applications. ACS Applied Materials & Interfaces, 2013, 5, 5961-5968.	4.0	92
92	Poly(N-isopropylacrylamide)-poly(ferrocenylsilane) dual-responsive hydrogels: synthesis, characterization and antimicrobial applications. Polymer Chemistry, 2013, 4, 337-342.	1.9	65
93	Redox active gels: synthesis, structures and applications. Journal of Materials Chemistry B, 2013, 1, 1658.	2.9	112
94	Vinylimidazole-based asymmetric ion pair comonomers: Synthesis, polymerization studies and formation of ionically crosslinked PMMA. Journal of Polymer Science Part A, 2013, 51, 3260-3273.	2.5	21
95	Covalent Layer-by-Layer Assembly of Redox-Active Polymer Multilayers. Langmuir, 2013, 29, 7257-7265.	1.6	33
96	Molecular Dynamics and Energy Landscape of Decanethiolates in Self-Assembled Monolayers on Au(111) Studied by Scanning Tunneling Microscopy. Langmuir, 2013, 29, 3662-3667.	1.6	23
97	Fabrication and antimicrobial effects of silver nanoparticle-poly(N-isopropylacrylamide)-poly(ferrocenylsilane) hydrogel composites. Materials Research Society Symposia Proceedings, 2012, 1453, 21.	0.1	0
98	Variable-temperature study of the transport through a single octanethiol molecule. Physical Review B, 2012, 86, .	1.1	11
99	Organometallic polymeric carriers for redox triggered release of molecular payloads. Journal of Materials Chemistry, 2012, 22, 6429.	6.7	39
100	Electrochemical sensing by surface-immobilized poly(ferrocenylsilane) grafts. Journal of Materials Chemistry, 2012, 22, 11261.	6.7	35
101	Redox-Active Cross-Linkable Poly(ionic liquid)s. Journal of the American Chemical Society, 2012, 134, 4023-4025.	6.6	105
102	Probing the Thermal Collapse of Poly(N-isopropylacrylamide) Grafts by Quantitative <i>in Situ</i> Ellipsometry. Journal of Physical Chemistry B, 2012, 116, 9261-9268.	1.2	54
103	Surface-grafted zwitterionic polymers as platforms for functional supported phospholipid membranes. Soft Matter, 2012, 8, 1556-1562.	1.2	29
104	Controlled Surface Initiated Polymerization of N-isopropylacrylamide from Polycaprolactone Substrates for Regulating Cell Attachment and Detachment. Israel Journal of Chemistry, 2012, 52, 339-346.	1.0	10
105	Nanomechanical properties of polymer brushes by colloidal AFM probes. European Polymer Journal, 2012, 48, 8-15.	2.6	31
106	Responsive Organometallic Polymer Grafts: Electrochemical Switching of Surface Properties and Current Mediation Behavior. Langmuir, 2011, 27, 6822-6829.	1.6	21
107	Stability and Cell Adhesion Properties of Poly(N-isopropylacrylamide) Brushes with Variable Grafting Densities. Australian Journal of Chemistry, 2011, 64, 1261.	0.5	25
108	Grafting mixed responsive brushes of poly(N-isopropylacrylamide) and poly(methacrylic acid) from gold by selective initiation. Polymer Chemistry, 2011, 2, 879.	1.9	49

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109	Quantitative mapping of surface elastic moduli in silica-reinforced rubbers and rubber blends across the length scales by AFM. <i>Journal of Materials Science</i> , 2011, 46, 3507-3516.	1.7	42
110	Surface functionalization of titanium dioxide nanoparticles with alkanephosphonic acids for transparent nanocomposites. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2779-2790.	0.8	34
111	Probing the Collapse Dynamics of Poly(N-isopropylacrylamide) Brushes by AFM: Effects of Co-nonsolvency and Grafting Densities. <i>Small</i> , 2011, 7, 1440-1447.	5.2	90
112	Polymer Brushes: Probing the Collapse Dynamics of Poly(N-isopropylacrylamide) Brushes by AFM: Effects of Co-nonsolvency and Grafting Densities (Small 10/2011). <i>Small</i> , 2011, 7, 1274-1274.	5.2	0
113	pH Dependent Elasticity of Polystyrene-block-poly(acrylic acid) Vesicle Shell Membranes by Atomic Force Microscopy. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1704-1709.	2.0	13
114	Nanostructured Polymer Brushes by UV-Assisted Imprint Lithography and Surface-Initiated Polymerization for Biological Functions. <i>Advanced Functional Materials</i> , 2011, 21, 2088-2095.	7.8	29
115	Quantitative mapping of elastic moduli at the nanoscale in phase separated polyurethanes by AFM. <i>European Polymer Journal</i> , 2011, 47, 692-698.	2.6	192
116	Influence of the length and grafting density of PNIPAM chains on the colloidal and optical properties of quantum dot/PNIPAM assemblies. <i>Nanotechnology</i> , 2011, 22, 265701.	1.3	9
117	Atomic force microscopy based quantitative mapping of elastic moduli in phase separated polyurethanes and silica reinforced rubbers across the length scales. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1318, 1.	0.1	0
118	Scanning Thermal Lithography as a Tool for Highly Localized Nanoscale Chemical Surface Functionalization. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1318, 1.	0.1	1
119	Force-Extension Behavior of Single Polymer Chains by AFM. , 2010, , 75-105.		0
120	Surface-Grafted Gel-Brush/Metal Nanoparticle Hybrids. <i>Advanced Functional Materials</i> , 2010, 20, 939-944.	7.8	60
121	A Brush-Gel/Metal Nanoparticle Hybrid Film as an Efficient Supported Catalyst in Glass Microreactors. <i>Chemistry - A European Journal</i> , 2010, 16, 12406-12411.	1.7	77
122	Preparation of a Rapidly Forming Poly(ferrocenylsilane)-Poly(ethylene glycol)-based Hydrogel by a Thiol-Michael Addition Click Reaction. <i>Macromolecular Rapid Communications</i> , 2010, 31, 2059-2063.	2.0	54
123	Energy transfer: Visualizing Resonance Energy Transfer in Supramolecular Surface Patterns of β -CD-Functionalized Quantum Dot Hosts and Organic Dye Guests by Fluorescence Lifetime Imaging (Small 24/2010). <i>Small</i> , 2010, 6, 2869-2869.	5.2	0
124	Atomic force microscopy of the morphology and mechanical behaviour of barnacle cyprid footprint proteins at the nanoscale. <i>Journal of the Royal Society Interface</i> , 2010, 7, 285-296.	1.5	28
125	Characterization and molecular engineering of surface-grafted polymer brushes across the length scales by atomic force microscopy. <i>Journal of Materials Chemistry</i> , 2010, 20, 4981.	6.7	63
126	Reversible pH-Controlled Switching of Poly(methacrylic acid) Grafts for Functional Biointerfaces. <i>Langmuir</i> , 2010, 26, 17513-17519.	1.6	40

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127	Scanning Force Microscopy of Polymers. , 2010, , .		49
128	Chemistry-Specific Interfacial Forces Between Barnacle (<i>Semibalanus balanoides</i>) Cyprid Footprint Proteins and Chemically Functionalised AFM Tips. Journal of Adhesion, 2009, 85, 616-630.	1.8	8
129	Fabrication of Freestanding Nanoporous Polyethersulfone Membranes Using Organometallic Polymer Resists Patterned by Nanosphere Lithography. Advanced Materials, 2009, 21, 2064-2067.	11.1	43
130	Block Copolymer Vesicles as Nanoreactors for Enzymatic Reactions. Small, 2009, 5, 1436-1445.	5.2	105
131	Synthesis of Poly(ferrocenylsilane) Polyelectrolyte Hydrogels with Redox Controlled Swelling. Macromolecules, 2009, 42, 2324-2326.	2.2	49
132	Mechanical properties of block copolymer vesicle membranes by atomic force microscopy. Soft Matter, 2009, 5, 4944.	1.2	46
133	Surface relaxations of poly(methyl methacrylate) assessed by friction force microscopy on the nanoscale. Soft Matter, 2009, 5, 1489.	1.2	18
134	Low Friction in CuO-Doped Yttria-Stabilized Tetragonal Zirconia Ceramics: A Complementary Macro- and Nanotribology Study. Journal of the American Ceramic Society, 2008, 91, 1646-1652.	1.9	9
135	Magnetic reversal phenomena of perpendicular magnetic islands fabricated by block copolymer lithography. Journal of Applied Physics, 2008, 103, .	1.1	15
136	Towards a nanomechanical basis for temporary adhesion in barnacle cyprids (<i>Semibalanus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.5	46
137	Morphology, Crystallization, and Melting of Single Crystals and Thin Films of Star-Branched Polyesters with Poly(ϵ -caprolactone) Arms as Revealed by Atomic Force Microscopy. Journal of Macromolecular Science - Physics, 2008, 47, 589-607.	0.4	22
138	Preparation and characterization of macromolecular α -hydroxy- ω -brushes grafted from Au nanowires. Journal of Materials Chemistry, 2007, 17, 3293.	6.7	34
139	Supramolecular assembly of water-soluble poly(ferrocenylsilanes): multilayer structures on flat interfaces and permeability of microcapsules. Soft Matter, 2007, 3, 889-895.	1.2	37
140	Feeling the Force of Supramolecular Bonds in Polymers. Angewandte Chemie - International Edition, 2007, 46, 3794-3796.	7.2	18
141	Closed Mechanochemical Cycles of Individual Single-Chain Macromolecular Motors by AFM. Angewandte Chemie - International Edition, 2007, 46, 8400-8404.	7.2	56
142	Interrogation of Single Synthetic Polymer Chains and Polysaccharides by AFM-Based Force Spectroscopy. ChemPhysChem, 2007, 8, 2290-2307.	1.0	126
143	Elasticity of Single Poly(amido amine) Dendrimers. Macromolecular Rapid Communications, 2007, 28, 1640-1644.	2.0	8
144	Poly(ferrocenylsilane)- <i>block</i> -Poly(lactide) Block Copolymers. Macromolecular Rapid Communications, 2007, 28, 2125-2130.	2.0	9

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145	Electrostatic Assembly with Poly(ferrocenylsilanes). Journal of Inorganic and Organometallic Polymers and Materials, 2007, 17, 3-18.	1.9	21
146	Chemical Force Microscopy: Nanometer-Scale Surface Analysis with Chemical Sensitivity. , 2006, , 275-314.		3
147	Atomic Force Microscopy-Based Single-Molecule Force Spectroscopy of Synthetic Supramolecular Dimers and Polymers. , 2006, , 315-353.		10
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149	Force Spectroscopy of Individual Stimulus-Responsive Poly(ferrocenyldimethylsilane) Chains: Towards a Redox-Driven Macromolecular Motor. Macromolecular Rapid Communications, 2006, 27, 103-108.	2.0	52
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