

Vladimir Tsukruk

List of Publications by Year in descending order

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papers

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434
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434
times ranked

30235
citing authors

#	ARTICLE	IF	CITATIONS
1	Coâ€Assembly of Biosynthetic Chiral Nematic Adhesive Materials with Dynamic Polarized Luminescence. Small, 2022, 18, e2104340.	10.0	17
2	Carbon Fiber Surface Functional Landscapes: Nanoscale Topography and Property Distribution. ACS Applied Materials & Interfaces, 2022, 14, 4699-4713.	8.0	10
3	Tanks and Truth. ACS Nano, 2022, 16, 4975-4976.	14.6	0
4	Spectroscopy finds chiral phonons. Nature Photonics, 2022, 16, 337-338.	31.4	3
5	Cellulose Nanocrystalsâ€™ Assembly under Ionic Strength Variation: From High Orientation Ordering to a Random Orientation. Langmuir, 2022, 38, 6363-6375.	3.5	9
6	Flexible Sustained Ionogels with Ionic Hyperbranched Polymers for Enhanced Ion-Conduction and Energy Storage. ACS Applied Materials & Interfaces, 2022, 14, 27028-27039.	8.0	14
7	Weakly Ionically Bound Thermosensitive Hyperbranched Polymers. Langmuir, 2021, 37, 2913-2927.	3.5	4
8	Shape Persistent, Highly Conductive Ionogels from Ionic Liquids Reinforced with Cellulose Nanocrystal Network. Advanced Functional Materials, 2021, 31, 2103083.	14.9	42
9	Bioâ€Organic Chiral Nematic Materials with Adaptive Light Emission and Onâ€Demand Handedness. Advanced Materials, 2021, 33, e2103329.	21.0	36
10	Dynamic Chiroâ€Optics of Bioâ€Inorganic Nanomaterials via Seamless Coâ€Assembly of Semiconducting Nanorods and Polysaccharide Nanocrystals. Advanced Functional Materials, 2021, 31, 2104596.	14.9	27
11	Reactive Amphiphilic Aprotic Ionic Liquids Based on Functionalized Oligomeric Silsesquioxanes. Bulletin of the Chemical Society of Japan, 2021, 94, 2263-2271.	3.2	5
12	Switchable Photonic Bioâ€Adhesive Materials. Advanced Materials, 2021, 33, e2103674.	21.0	33
13	Mixed star-shaped POSS-based molecule with hydroxy group-containing units and azobenzene fragments as two types of arms. Mendeleev Communications, 2021, 31, 27-29.	1.6	4
14	Monolithic Chiral Nematic Organization of Cellulose Nanocrystals under Capillary Confinement. ACS Nano, 2021, 15, 19418-19429.	14.6	23
15	Chiral Optoelectronic Functionalities <i>via</i> DNAâ€Organic Semiconductor Complex. ACS Nano, 2021, 15, 20353-20363.	14.6	7
16	Integration of Optical Surface Structures with Chiral Nanocellulose for Enhanced Chiroptical Properties. Advanced Materials, 2020, 32, e1905600.	21.0	40
17	Large and Emissive Crystals from Carbon Quantum Dots onto Interfacial Organized Templates. Angewandte Chemie - International Edition, 2020, 59, 20167-20173.	13.8	14
18	Large and Emissive Crystals from Carbon Quantum Dots onto Interfacial Organized Templates. Angewandte Chemie, 2020, 132, 20342-20348.	2.0	0

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19	Marine Structural Protein Stability Induced by Hofmeister Salt Annealing and Enzymatic Cross-Linking. ACS Biomaterials Science and Engineering, 2020, 6, 5519-5526.	5.2	2
20	Chiral Cellulose Nanocrystals with Intercalated Amorphous Polysaccharides for Controlled Iridescence and Enhanced Mechanics. Advanced Functional Materials, 2020, 30, 2003597.	14.9	73
21	Alternating Stacking of Nanocrystals and Nanofibers into Ultrastrong Chiral Biocomposite Laminates. ACS Nano, 2020, 14, 14675-14685.	14.6	41
22	Bioencapsulated MXene Flakes for Enhanced Stability and Composite Precursors. Advanced Functional Materials, 2020, 30, 2004554.	14.9	63
23	<scp>3D-printed</scp> polymer packing structures: Uniformity of morphology and mechanical properties via microprocessing conditions. Journal of Applied Polymer Science, 2020, 137, 49381.	2.6	9
24	Adhesive Polymers as Efficient Binders for High-Capacity Silicon Electrodes. ACS Applied Energy Materials, 2020, 3, 3387-3396.	5.1	34
25	Strongly-ligated perovskite quantum dots with precisely controlled dimensions and architectures for white light-emitting diodes. Nano Energy, 2020, 77, 105043.	16.0	52
26	Co-assembling Polysaccharide Nanocrystals and Nanofibers for Robust Chiral Iridescent Films. ACS Applied Materials & Interfaces, 2020, 12, 35345-35353.	8.0	17
27	Biopolymeric photonic structures: design, fabrication, and emerging applications. Chemical Society Reviews, 2020, 49, 983-1031.	38.1	138
28	Ultra-efficient polymer binder for silicon anode in high-capacity lithium-ion batteries. Nano Energy, 2020, 73, 104804.	16.0	57
29	Protein-based functional nanocomposites. MRS Bulletin, 2020, 45, 1017-1026.	3.5	11
30	Tunable Interfacial Properties in Silk Ionomer Microcapsules with Tailored Multilayer Interactions. Macromolecular Bioscience, 2019, 19, e1800176.	4.1	8
31	Morphology and Surface Properties of Roach Water Transport Arrays. ACS Applied Bio Materials, 2019, 2, 2650-2660.	4.6	3
32	Control of Whispering Gallery Modes and PT-Symmetry Breaking in Colloidal Quantum Dot Microdisk Lasers with Engineered Notches. Nano Letters, 2019, 19, 6049-6057.	9.1	13
33	Self-Assembly of Emissive Nanocellulose/Quantum Dot Nanostructures for Chiral Fluorescent Materials. ACS Nano, 2019, 13, 9074-9081.	14.6	115
34	Enhanced Electrochemical Dark-Field Scattering Modulation on a Single Hybrid Core-Shell Nanostructure. Journal of Physical Chemistry C, 2019, 123, 28343-28352.	3.1	10
35	Transformations of Thermosensitive Hyperbranched Poly(ionic liquid)s Monolayers. Langmuir, 2019, 35, 11809-11820.	3.5	11
36	Enhancing Plasmonic-Photonic Hybrid Cavity Modes by Coupling of Individual Plasmonic Nanoparticles. Journal of Physical Chemistry C, 2019, 123, 24255-24262.	3.1	14

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37	Coupled Whispering Gallery Mode Resonators via Template-Assisted Assembly of Photoluminescent Microspheres. <i>Advanced Functional Materials</i> , 2019, 29, 1902520.	14.9	5
38	Enabling Tailorable Optical Properties and Markedly Enhanced Stability of Perovskite Quantum Dots by Permanently Ligating with Polymer Hairs. <i>Advanced Materials</i> , 2019, 31, e1901602.	21.0	119
39	Heterogeneous forward and backward scattering modulation by polymer-infused plasmonic nanohole arrays. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3090-3099.	5.5	8
40	Composite Structures with Emissive Quantum Dots for Light Enhancement. <i>Advanced Optical Materials</i> , 2019, 7, 1801072.	7.3	30
41	Robust lasing modes in coupled colloidal quantum dot microdisk pairs using a non-Hermitian exceptional point. <i>Nature Communications</i> , 2019, 10, 561.	12.8	32
42	Unconventional route to dual-shelled organolead halide perovskite nanocrystals with controlled dimensions, surface chemistry, and stabilities. <i>Science Advances</i> , 2019, 5, eaax4424.	10.3	116
43	Oligomeric and Polymeric Ionic Liquids: Engineering Architecture and Morphology. <i>Springer Proceedings in Physics</i> , 2019, , 93-118.	0.2	1
44	Naturally-derived biopolymer nanocomposites: Interfacial design, properties and emerging applications. <i>Materials Science and Engineering Reports</i> , 2018, 125, 1-41.	31.8	182
45	Wrapping Nanocellulose Nets around Graphene Oxide Sheets. <i>Angewandte Chemie</i> , 2018, 130, 8644-8649.	2.0	15
46	Wrapping Nanocellulose Nets around Graphene Oxide Sheets. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8508-8513.	13.8	93
47	Highly Conductive and Transparent Reduced Graphene Oxide Nanoscale Films via Thermal Conversion of Polymer-Encapsulated Graphene Oxide Sheets. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3975-3985.	8.0	53
48	Cellulose nanocrystals with different morphologies and chiral properties. <i>Polymer</i> , 2018, 145, 334-347.	3.8	66
49	En Route to Practicality of the Polymer Grafting Technology: One-Step Interfacial Modification with Amphiphilic Molecular Brushes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13941-13952.	8.0	15
50	Novel branched nanostructures based on polyhedral oligomeric silsesquioxanes and azobenzene dyes containing different spacers and isolation groups. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4065-4076.	5.5	16
51	Viscoelastic properties and ion dynamics in star-shaped polymerized ionic liquids. <i>European Polymer Journal</i> , 2018, 109, 326-335.	5.4	16
52	Attainment of Water and Oil Repellency for Engineering Thermoplastics without Long-Chain Perfluoroalkyls: Perfluoropolyether-Based Triblock Polyester Additives. <i>Langmuir</i> , 2018, 34, 12934-12946.	3.5	9
53	All-Inorganic Perovskite Nanocrystals with a Stellar Set of Stabilities and Their Use in White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37267-37276.	8.0	82
54	Robust and Flexible Micropatterned Electrodes and Micro-Supercapacitors in Graphene-Silk Biopapers. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801203.	3.7	16

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55	Robust Chiral Organization of Cellulose Nanocrystals in Capillary Confinement. Nano Letters, 2018, 18, 6770-6777.	9.1	63
56	Pop-Up Conducting Large-Area Biographene Kirigami. ACS Nano, 2018, 12, 9714-9720.	14.6	27
57	Sharp and Tunable Crystal/Fano-Type Resonances Enabled by Out-of-Plane Dipolar Coupling in Plasmonic Nanopatch Arrays. Annalen Der Physik, 2018, 530, 1700395.	2.4	9
58	Large-Area Lasing and Multicolor Perovskite Quantum Dot Patterns. Advanced Optical Materials, 2018, 6, 1800474.	7.3	95
59	Thermally Responsive Hyperbranched Poly(ionic liquid)s: Assembly and Phase Transformations. Macromolecules, 2018, 51, 4923-4937.	4.8	33
60	Dual-Excitation Nanocellulose Plasmonic Membranes for Molecular and Cellular SERS Detection. ACS Applied Materials & Interfaces, 2018, 10, 18380-18389.	8.0	42
61	Tunable Compartmentalized Morphologies of Multilayered Dual Responsive Star Block Polyampholytes. Macromolecules, 2018, 51, 4800-4812.	4.8	16
62	Spectral and directional properties of elliptical quantum-dot microlasers. Journal of Photonics for Energy, 2018, 8, 1.	1.3	2
63	Serigraphy-Guided Reduction of Graphene Oxide Biopapers for Wearable Sensory Electronics. Advanced Functional Materials, 2017, 27, 1604802.	14.9	51
64	Self-Assembly of Hyperbranched Protic Poly(ionic liquid)s with Variable Peripheral Amphiphilicity. Bulletin of the Chemical Society of Japan, 2017, 90, 919-923.	3.2	15
65	Robust, Uniform, and Highly Emissive Quantum Dot-Polymer Films and Patterns Using Thiol-Ene Chemistry. ACS Applied Materials & Interfaces, 2017, 9, 17435-17448.	8.0	32
66	Decay-to-Recovery Behavior and on-off Recovery of Photoluminescence Intensity from Core/Shell Quantum Dots. ACS Photonics, 2017, 4, 1691-1704.	6.6	10
67	Ligand-Exchange Dynamics on Gold Nanocrystals: Direct Monitoring of Nanoscale Polyvinylpyrrolidone-Thiol Domain Surface Morphology. Langmuir, 2017, 33, 3576-3587.	3.5	14
68	Large-Scale Robust Quantum Dot Microdisk Lasers with Controlled High Quality Cavity Modes. Advanced Optical Materials, 2017, 5, 1700011.	7.3	21
69	Linear and Star Poly(ionic liquid) Assemblies: Surface Monolayers and Multilayers. Langmuir, 2017, 33, 3187-3199.	3.5	23
70	High-Resolution Quantum Dot Photopatterning via Interference Lithography Assisted Microstamping. Journal of Physical Chemistry C, 2017, 121, 13370-13380.	3.1	14
71	Immobilization of Recombinant <i>E. coli</i> Cells in a Bacterial Cellulose-Silk Composite Matrix To Preserve Biological Function. ACS Biomaterials Science and Engineering, 2017, 3, 2278-2292.	5.2	23
72	Synthesis, Assembly, and Applications of Hybrid Nanostructures for Biosensing. Chemical Reviews, 2017, 117, 12942-13038.	47.7	258

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73	Interfacial Shear Strength and Adhesive Behavior of Silk Ionomer Surfaces. <i>Biomacromolecules</i> , 2017, 18, 2876-2886.	5.4	14
74	Dewetting-Induced Photoluminescent Enhancement of Poly(lauryl methacrylate)/Quantum Dot Thin Films. <i>Langmuir</i> , 2017, 33, 14325-14331.	3.5	6
75	Electrochromic tuning of transparent gold nanorods with poly[(3,4-propylenedioxy)pyrrole] shells in the near-infrared region. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12571-12584.	5.5	15
76	Template-Guided Assembly of Silk Fibroin on Cellulose Nanofibers for Robust Nanostructures with Ultrafast Water Transport. <i>ACS Nano</i> , 2017, 11, 12008-12019.	14.6	107
77	Programmed Emission Transformations: Negative-to-Positive Patterning Using the Decay-to-Recovery Behavior of Quantum Dots. <i>Advanced Optical Materials</i> , 2017, 5, 1600509.	7.3	8
78	Parity-Time Symmetry and Coupling Effects in Quantum Dot MicroDisk Lasers. , 2017, , .		1
79	Influence of Defects on the Spectral and Directional Properties of Quantum-Dot Microdisk Lasers. , 2017, , .		0
80	Multicompartmental Microcapsules with Orthogonal Programmable Two-Way Sequencing of Hydrophobic and Hydrophilic Cargo Release. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4908-4913.	13.8	62
81	Crafting Core/Graded Shell-Shell Quantum Dots with Suppressed Reabsorption and Tunable Stokes Shift as High Optical Gain Materials. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5071-5075.	13.8	42
82	Ultrarobust Transparent Cellulose Nanocrystal-Graphene Membranes with High Electrical Conductivity. <i>Advanced Materials</i> , 2016, 28, 1501-1509.	21.0	280
83	Self-Powered Electronic Skin with Biotactile Selectivity. <i>Advanced Materials</i> , 2016, 28, 3549-3556.	21.0	97
84	Frontispiz: Multicompartmental Microcapsules with Orthogonal Programmable Two-Way Sequencing of Hydrophobic and Hydrophilic Cargo Release. <i>Angewandte Chemie</i> , 2016, 128, .	2.0	0
85	Large-Area Multicolor Emissive Patterns of Quantum Dot-Polymer Films via Targeted Recovery of Emission Signature. <i>Advanced Optical Materials</i> , 2016, 4, 608-619.	7.3	27
86	Multicompartmental Microcapsules with Orthogonal Programmable Two-Way Sequencing of Hydrophobic and Hydrophilic Cargo Release. <i>Angewandte Chemie</i> , 2016, 128, 4992-4997.	2.0	8
87	Electrically Controlled Plasmonic Behavior of Gold Nanocube@Polyaniline Nanostructures: Transparent Plasmonic Aggregates. <i>Chemistry of Materials</i> , 2016, 28, 2868-2881.	6.7	67
88	Design of Hybrid Electrochromic Materials with Large Electrical Modulation of Plasmonic Resonances. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13064-13075.	8.0	37
89	Probing Flexural Properties of Cellulose Nanocrystal-Graphene Nanomembranes with Force Spectroscopy and Bulging Test. <i>Langmuir</i> , 2016, 32, 5383-5393.	3.5	27
90	The effect of plasmon resonance coupling in P3HT-coated silver nanodisk monolayers on their optical sensitivity. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9813-9822.	5.5	10

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91	Bionanocomposites: Silk Fibroin-Substrate Interactions at Heterogeneous Nanocomposite Interfaces (Adv. Funct. Mater. 35/2016). Advanced Functional Materials, 2016, 26, 6496-6496.	14.9	0
92	Dual-Responsive Reversible Plasmonic Behavior of Core-Shell Nanostructures with pH-Sensitive and Electroactive Polymer Shells. Chemistry of Materials, 2016, 28, 7551-7563.	6.7	48
93	Enhancement of optical gain characteristics of quantum dot films by optimization of organic ligands. Journal of Materials Chemistry C, 2016, 4, 10069-10081.	5.5	19
94	Dramatic Enhancement of Graphene Oxide/Silk Nanocomposite Membranes: Increasing Toughness, Strength, and Young's modulus via Annealing of Interfacial Structures. ACS Applied Materials & Interfaces, 2016, 8, 24962-24973.	8.0	81
95	Silk Fibroin-Substrate Interactions at Heterogeneous Nanocomposite Interfaces. Advanced Functional Materials, 2016, 26, 6380-6392.	14.9	57
96	Assembly of Amphiphilic Hyperbranched Polymeric Ionic Liquids in Aqueous Media at Different pH and Ionic Strength. Macromolecules, 2016, 49, 8697-8710.	4.8	31
97	Biotactile Sensors: Self-Powered Electronic Skin with Biotactile Selectivity (Adv. Mater. 18/2016). Advanced Materials, 2016, 28, 3414-3414.	21.0	2
98	Crafting Core/Graded Shell-Shell Quantum Dots with Suppressed Reabsorption and Tunable Stokes Shift as High Optical Gain Materials. Angewandte Chemie, 2016, 128, 5155-5159.	2.0	8
99	Bimorph Silk Microsheets with Programmable Actuating Behavior: Experimental Analysis and Computer Simulations. ACS Applied Materials & Interfaces, 2016, 8, 17694-17706.	8.0	21
100	Ultrastrong Freestanding Graphene Oxide Nanomembranes with Surface-Enhanced Raman Scattering Functionality by Solvent-Assisted Single-Component Layer-by-Layer Assembly. ACS Nano, 2016, 10, 6702-6715.	14.6	45
101	Micromechanical properties of strain-sensitive lyriform organs of a wandering spider (Cupiennius) Tj ETQq1 1 0.784314 rgBT /Overlook	8.3	18
102	Frontispiece: Multicompartmental Microcapsules with Orthogonal Programmable Two-Way Sequencing of Hydrophobic and Hydrophilic Cargo Release. Angewandte Chemie - International Edition, 2016, 55, .	13.8	0
103	Hierarchical Assembly of Star Polymer Polymersomes into Responsive Multicompartmental Microcapsules. Chemistry of Materials, 2016, 28, 975-985.	6.7	47
104	Activating "Invisible" Glue: Using Electron Beam for Enhancement of Interfacial Properties of Graphene-Metal Contact. ACS Nano, 2016, 10, 1042-1049.	14.6	12
105	Probing elastic properties of soft materials with AFM: Data analysis for different tip geometries. Polymer, 2016, 102, 317-325.	3.8	24
106	Plasmonic Nanogels for Unclonable Optical Tagging. ACS Applied Materials & Interfaces, 2016, 8, 4031-4041.	8.0	46
107	Core/Alloyed-Shell Quantum Dot Robust Solid Films with High Optical Gains. ACS Photonics, 2016, 3, 647-658.	6.6	45
108	Self-(Un)rolling Biopolymer Microstructures: Rings, Tubules, and Helical Tubules from the Same Material. Angewandte Chemie - International Edition, 2015, 54, 8490-8493.	13.8	24

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109	Interface-enforced complexation between copolymer blocks. <i>Soft Matter</i> , 2015, 11, 3559-3565.	2.7	22
110	Architecture, Assembly, and Emerging Applications of Branched Functional Polyelectrolytes and Poly(ionic liquid)s. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12570-12596.	8.0	125
111	Localized conductive patterning <i>via</i> focused electron beam reduction of graphene oxide. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	11
112	Designing two-dimensional materials that spring rapidly into three-dimensional shapes. <i>Science</i> , 2015, 347, 130-131.	12.6	15
113	Light-Responsive Plasmonic Arrays Consisting of Silver Nanocubes and a Photoisomerizable Matrix. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4902-4912.	8.0	29
114	Silk Macromolecules with Amino Acidâ€™Poly(Ethylene Glycol) Grafts for Controlling Layer-by-Layer Encapsulation and Aggregation of Recombinant Bacterial Cells. <i>ACS Nano</i> , 2015, 9, 1219-1235.	14.6	47
115	Silver nanocube aggregation gradient materials in search for total internal reflection with high phase sensitivity. <i>Nanoscale</i> , 2015, 7, 5230-5239.	5.6	13
116	Branched Polyhedral Oligomeric Silsesquioxane Nanoparticles Prepared via Strain-Promoted 1,3-Dipolar Cycloadditions. <i>Langmuir</i> , 2015, 31, 8146-8155.	3.5	14
117	Stickâ€™slip water penetration into capillaries coated with swelling hydrogel. <i>Soft Matter</i> , 2015, 11, 5933-5939.	2.7	9
118	Recent advances in micromechanical characterization of polymer, biomaterial, and cell surfaces with atomic force microscopy. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 08LA02.	1.5	41
119	Multiresponsive Star-Graft Quarterpolymer Monolayers. <i>Macromolecules</i> , 2015, 48, 3344-3353.	4.8	26
120	Remote Giant Multispectral Plasmonic Shifts of Labile Hinged Nanorod Array via Magnetic Field. <i>Nano Letters</i> , 2015, 15, 2679-2684.	9.1	22
121	Micro- and nano-structural details of a spider's filter for substrate vibrations: relevance for low-frequency signal transmission. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20141111.	3.4	31
122	Printed Dual Cell Arrays for Multiplexed Sensing. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 287-294.	5.2	15
123	Cellulose Nanocrystal Microcapsules as Tunable Cages for Nano- and Microparticles. <i>ACS Nano</i> , 2015, 9, 10887-10895.	14.6	72
124	Tuning the Electronic Properties of Robust Bio-Bond Graphene Papers by Spontaneous Electrochemical Reduction: From Insulators to Flexible Semi-Metals. <i>Chemistry of Materials</i> , 2015, 27, 6717-6729.	6.7	24
125	Dynamic modulation of electronic properties of graphene by localized carbon doping using focused electron beam induced deposition. <i>Nanoscale</i> , 2015, 7, 14946-14952.	5.6	12
126	Biopolymeric Nanocomposites with Enhanced Interphases. <i>Langmuir</i> , 2015, 31, 10859-10870.	3.5	45

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127	Multiresponsive Microcapsules Based on Multilayer Assembly of Star Polyelectrolytes. <i>Macromolecules</i> , 2014, 47, 7858-7868.	4.8	44
128	A spider's biological vibration filter: Micromechanical characteristics of a biomaterial surface. <i>Acta Biomaterialia</i> , 2014, 10, 4832-4842.	8.3	44
129	Silver Nanocube Aggregates in Cylindrical Pores for Higher Refractive Index Plasmonic Sensing. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 274-283.	2.3	29
130	Reconfigurable and actuating structures from soft materials. <i>Soft Matter</i> , 2014, 10, 1246-1263.	2.7	87
131	Graphene-polymer nanocomposites for structural and functional applications. <i>Progress in Polymer Science</i> , 2014, 39, 1934-1972.	24.7	922
132	Programmable Arrays of "Micro-Bubble" Constructs via Self-Encapsulation. <i>Advanced Functional Materials</i> , 2014, 24, 4364-4373.	14.9	17
133	Strongly Coupled Plasmonic Modes on Macroscopic Areas via Template-Assisted Colloidal Self-Assembly. <i>Nano Letters</i> , 2014, 14, 6863-6871.	9.1	162
134	Mapping micromechanical properties of soft polymer contact lenses. <i>Polymer</i> , 2014, 55, 6091-6101.	3.8	22
135	Focused-electron-beam-induced processing (FEBIP) for emerging applications in carbon nanoelectronics. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 1659-1674.	2.3	23
136	Stacked Gold Nanorectangles with Higher Order Plasmonic Modes and Top-Down Plasmonic Coupling. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5453-5462.	3.1	6
137	Controlling the Physicochemical State of Carbon on Graphene Using Focused Electron-Beam-Induced Deposition. <i>ACS Nano</i> , 2014, 8, 6805-6813.	14.6	17
138	Plasmonic Library Based on Substrate-Supported Gradiential Plasmonic Arrays. <i>ACS Nano</i> , 2014, 8, 9410-9421.	14.6	84
139	Inkjet Printing of Silk Nest Arrays for Cell Hosting. <i>Biomacromolecules</i> , 2014, 15, 1428-1435.	5.4	72
140	Robust Microcapsules with Controlled Permeability from Silk Fibroin Reinforced with Graphene Oxide. <i>Small</i> , 2014, 10, 5087-5097.	10.0	49
141	Tailoring the Plasmonic Modes of a Grating-Nanocube Assembly to Achieve Broadband Absorption in the Visible Spectrum. <i>Advanced Functional Materials</i> , 2014, 24, 6797-6805.	14.9	30
142	Probing of Polymer Surfaces in the Viscoelastic Regime. <i>Langmuir</i> , 2014, 30, 10566-10582.	3.5	93
143	Chemical Reduction of Individual Graphene Oxide Sheets as Revealed by Electrostatic Force Microscopy. <i>Journal of the American Chemical Society</i> , 2014, 136, 6546-6549.	13.7	66
144	Star-Shaped Molecules with Polyhedral Oligomeric Silsesquioxane Core and Azobenzene Dye Arms. <i>Langmuir</i> , 2014, 30, 8856-8865.	3.5	36

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145	Thermo-Induced Limited Aggregation of Responsive Star Polyelectrolytes. <i>Macromolecules</i> , 2014, 47, 2112-2121.	4.8	46
146	Competitive Adsorption of Dopamine and Rhodamine 6G on the Surface of Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2459-2470.	8.0	171
147	Electrically Tunable Plasmonic Behavior of Nanocubeâ€“Polymer Nanomaterials Induced by a Redox-Active Electrochromic Polymer. <i>ACS Nano</i> , 2014, 8, 6182-6192.	14.6	347
148	Multicompartmental Microcapsules from Star Copolymer Micelles. <i>Macromolecules</i> , 2013, 46, 1425-1436.	4.8	33
149	Aptamerâ€“Assisted Assembly of Gold Nanoframe Dimers. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 1071-1078.	2.3	9
150	Star Polymer Unimicelles on Graphene Oxide Flakes. <i>Langmuir</i> , 2013, 29, 9761-9769.	3.5	30
151	Interfacial behavior of pH responsive ampholytic heteroarm star block terpolymers. <i>Polymer</i> , 2013, 54, 1150-1159.	3.8	16
152	Biomimetic Coatings to Control Cellular Function through Cell Surface Engineering. <i>Advanced Functional Materials</i> , 2013, 23, 4437-4453.	14.9	106
153	Nondestructive Light-Initiated Tuning of Layer-by-Layer Microcapsule Permeability. <i>ACS Nano</i> , 2013, 7, 598-613.	14.6	65
154	Surface Assembly and Plasmonic Properties in Strongly Coupled Segmented Gold Nanorods. <i>Small</i> , 2013, 9, 2979-2990.	10.0	31
155	Ultraâ€“Robust Graphene Oxideâ€“Silk Fibroin Nanocomposite Membranes. <i>Advanced Materials</i> , 2013, 25, 2301-2307.	21.0	261
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157	Cell Surface Engineering with Edible Protein Nanoshells. <i>Small</i> , 2013, 9, 3128-3137.	10.0	45
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