

Mark Grinstaff

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

391
papers

19,529
citations

72
h-index

124
g-index

454
ext. papers

21,789
ext. citations

9.3
avg, IF

7.32
L-index

#	Paper	IF	Citations
391	Quantitative Luminescence Photography of a Swellable Hydrogel Dressing with a Traffic-Light Response to Oxygen.. <i>Advanced Healthcare Materials</i> , 2022 , e2101605	10.1	1
390	Paper-Based Progesterone Sensor Using an Allosteric Transcription Factor.. <i>ACS Omega</i> , 2022 , 7, 5804-5808	3.9	0
389	OvoA from ovothiol biosynthesis is a bifunction enzyme: thiol oxygenase and sulfoxide synthase activities.. <i>Chemical Science</i> , 2022 , 13, 3589-3598	9.4	4
388	Ultra-high drug loading improves nanoparticle efficacy against peritoneal mesothelioma.. <i>Biomaterials</i> , 2022 , 285, 121534	15.6	2
387	A FoxA2+ long-term stem cell population is necessary for growth plate cartilage regeneration after injury.. <i>Nature Communications</i> , 2022 , 13, 2515	17.4	1
386	Cationic contrast-enhanced computed tomography distinguishes between reparative, degenerative, and healthy equine articular cartilage. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 1647-1657	3.8	2
385	Influence of fixation on CA4+ contrast enhanced microCT of articular cartilage and subsequent feasibility for histological evaluation. <i>American Journal of Translational Research (discontinued)</i> , 2021 , 13, 8921-8937	3	0
384	Sustainable glycerol terpolycarbonates as temporary bioadhesives. <i>Biomaterials Science</i> , 2021 , 9, 8366-8372	3.7	0
383	Contrast-Enhanced Micro-Computed Tomography for 3D Visualization and Quantification of Glycosaminoglycans in Different Cartilage Types. <i>Cartilage</i> , 2021 , 19476035211053820	3	0
382	Controlled Cell Alignment Using Two-Photon Direct Laser Writing-Patterned Hydrogels in 2D and 3D. <i>Macromolecular Bioscience</i> , 2021 , 21, e2100051	5.5	4
381	Delivery of eupenifeldin via polymer-coated surgical buttresses prevents local lung cancer recurrence. <i>Journal of Controlled Release</i> , 2021 , 331, 260-269	11.7	3
380	Implications for an imidazol-2-yl carbene intermediate in the rhodanase-catalyzed C-S bond formation reaction of anaerobic ergothioneine biosynthesis. <i>ACS Catalysis</i> , 2021 , 11, 3319-3334	13.1	2
379	Humanized anti-DEspR IgG4 antibody increases overall survival in a pancreatic cancer stem cell-xenograft peritoneal carcinomatosis rat model. <i>BMC Cancer</i> , 2021 , 21, 407	4.8	1
378	The Prognosis of Arthrofibroses: Prevalence, Clinical Shortcomings, and Future Prospects. <i>Trends in Pharmacological Sciences</i> , 2021 , 42, 398-415	13.2	2
377	Dual-contrast computed tomography enables detection of equine posttraumatic osteoarthritis in vitro. <i>Journal of Orthopaedic Research</i> , 2021 ,	3.8	1
376	Quantitative Evaluation of Equine Articular Cartilage Using Cationic Contrast-Enhanced Computed Tomography. <i>Cartilage</i> , 2021 , 12, 211-221	3	4
375	Regulation of inflammatory and catabolic responses to IL-1 β in rat articular chondrocytes by microRNAs miR-122 and miR-451. <i>Osteoarthritis and Cartilage</i> , 2021 , 29, 113-123	6.2	5

374	Effects of human articular cartilage constituents on simultaneous diffusion of cationic and nonionic contrast agents. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 771-779	3.8	3
373	Breath Hold Facilitates Targeted Deposition of Aerosolized Droplets in a 3D Printed Bifurcating Airway Tree. <i>Annals of Biomedical Engineering</i> , 2021 , 49, 812-821	4.7	1
372	Nanotechnology and osteoarthritis; part 1: Clinical landscape and opportunities for advanced diagnostics. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 465-472	3.8	6
371	Nanotechnology and Osteoarthritis. Part 2: Opportunities for advanced devices and therapeutics. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 473-484	3.8	6
370	IRGM1 links mitochondrial quality control to autoimmunity. <i>Nature Immunology</i> , 2021 , 22, 312-321	19.1	17
369	Biofabrication of a shape-stable auricular structure for the reconstruction of ear deformities. <i>Materials Today Bio</i> , 2021 , 9, 100094	9.9	3
368	Sulfated poly-amido-saccharides (sulPASs) are anticoagulants and. <i>Chemical Science</i> , 2021 , 12, 12719-12725	9.4	2
367	Sustainable glycerol carbonate electrolytes for Li-ion supercapacitors: performance evaluation of butyl, benzyl, and ethyl glycerol carbonates. <i>Materials Advances</i> , 2021 , 2, 6049-6057	3.3	1
366	Asah2 Represses the p53-Hmox1 Axis to Protect Myeloid-Derived Suppressor Cells from Ferroptosis. <i>Journal of Immunology</i> , 2021 , 206, 1395-1404	5.3	9
365	Quantitative dual contrast photon-counting computed tomography for assessment of articular cartilage health. <i>Scientific Reports</i> , 2021 , 11, 5556	4.9	2
364	On-Site, On-Demand 3D-Printed Nasopharyngeal Swabs to Improve the Access of Coronavirus Disease-19 Testing. <i>Global Challenges</i> , 2021 , 5, 2100039	4.3	
363	Temporary Hydrogel Dressings for Colon Polypectomies. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 4362-4370	5.5	2
362	Pilot-scale production of expansile nanoparticles: Practical methods for clinical scale-up. <i>Journal of Controlled Release</i> , 2021 , 337, 144-154	11.7	6
361	gelling and dissolvable hydrogels for use as on-demand wound dressings for burns. <i>Biomaterials Science</i> , 2021 , 9, 6842-6850	7.4	3
360	Mega macromolecules as single molecule lubricants for hard and soft surfaces. <i>Nature Communications</i> , 2020 , 11, 2139	17.4	11
359	A progesterone biosensor derived from microbial screening. <i>Nature Communications</i> , 2020 , 11, 1276	17.4	29
358	Pancreatic Adenocarcinoma: Unconventional Approaches for an Unconventional Disease. <i>Cancer Research</i> , 2020 , 80, 3179-3192	10.1	8
357	Dual contrast in computed tomography allows earlier characterization of articular cartilage over single contrast. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 2230-2238	3.8	5

356	Expansile Nanoparticles Encapsulate Factor Quinolinone Inhibitor 1 and Accumulate in Murine Liver upon Intravenous Administration. <i>Biomacromolecules</i> , 2020 , 21, 1499-1506	6.9	0
355	Paclitaxel-loaded expansile nanoparticles improve survival following cytoreductive surgery in pleural mesothelioma xenografts. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 160, e159-e168	1.5	8
354	Modulating lysosomal pH: a molecular and nanoscale materials design perspective. <i>Journal of Life Sciences (Westlake Village, Calif)</i> , 2020 , 2, 25-37	1.9	3
353	Cationic poly-amido-saccharides: stereochemically-defined, enantiopure polymers from anionic ring-opening polymerization of an amino-sugar monomer. <i>Polymer Chemistry</i> , 2020 , 11, 1926-1936	4.9	4
352	A Synthetic Bioinspired Carbohydrate Polymer with Mucoadhesive Properties. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 704-710	16.4	15
351	Aqueous Ring-Opening Polymerization-Induced Self-Assembly (ROPISA) of N-Carboxyanhydrides. <i>Angewandte Chemie</i> , 2020 , 132, 632-636	3.6	11
350	Synchrotron MicroCT Reveals the Potential of the Dual Contrast Technique for Quantitative Assessment of Human Articular Cartilage Composition. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 563-573	3.8	6
349	Titelbild: Aqueous Ring-Opening Polymerization-Induced Self-Assembly (ROPISA) of N-Carboxyanhydrides (Angew. Chem. 2/2020). <i>Angewandte Chemie</i> , 2020 , 132, 517-517	3.6	
348	From Simple to Architecturally Complex Hydrogel Scaffolds for Cell and Tissue Engineering Applications: Opportunities Presented by Two-Photon Polymerization. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901217	10.1	43
347	A Synthetic Bioinspired Carbohydrate Polymer with Mucoadhesive Properties. <i>Angewandte Chemie</i> , 2020 , 132, 714-720	3.6	5
346	dGEMRIC and CECT Comparison of Cationic and Anionic Contrast Agents in Cadaveric Human Metacarpal Cartilage. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 719-725	3.8	2
345	Humidity-Insensitive Tissue Oxygen Tension Sensing for Wearable Devices. <i>Photochemistry and Photobiology</i> , 2020 , 96, 373-379	3.6	7
344	Surface Immobilized Nucleic Acid-Transcription Factor Quantum Dots for Biosensing. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000403	10.1	6
343	Single-step Replacement of an Unreactive C-H Bond by a C-S Bond Using Polysulfide as the Direct Sulfur Source in Anaerobic Ergothioneine Biosynthesis. <i>ACS Catalysis</i> , 2020 , 10, 8981-8994	13.1	6
342	Electrode material-ionic liquid coupling for electrochemical energy storage. <i>Nature Reviews Materials</i> , 2020 , 5, 787-808	73.3	89
341	Guidelines for Lactam Synthesis: Glycol Protecting Groups Dictate Stereoelectronics and [2+2] Cycloaddition Kinetics. <i>Journal of Organic Chemistry</i> , 2020 , 85, 12044-12057	4.2	6
340	A Markov chain model of particle deposition in the lung. <i>Scientific Reports</i> , 2020 , 10, 13573	4.9	3
339	Poly-Amido-Saccharides (PASs): Functional Synthetic Carbohydrate Polymers Inspired by Nature. <i>Accounts of Chemical Research</i> , 2020 , 53, 2167-2179	24.3	7

338	Hydrogel-Embedded Quantum Dot-Transcription Factor Sensors for Quantitative Progesterone Detection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43513-43521	9.5	11
337	Triple Contrast CT Method Enables Simultaneous Evaluation of Articular Cartilage Composition and Segmentation. <i>Annals of Biomedical Engineering</i> , 2020 , 48, 556-567	4.7	3
336	Aqueous Ring-Opening Polymerization-Induced Self-Assembly (ROPISA) of N-Carboxyanhydrides. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 622-626	16.4	64
335	Verticillin A Causes Apoptosis and Reduces Tumor Burden in High-Grade Serous Ovarian Cancer by Inducing DNA Damage. <i>Molecular Cancer Therapeutics</i> , 2020 , 19, 89-100	6.1	6
334	A versatile and accessible polymer coating for functionalizable zwitterionic quantum dots with high DNA grafting efficiency. <i>Chemical Communications</i> , 2019 , 55, 11067-11070	5.8	8
333	Contrast enhanced computed tomography for real-time quantification of glycosaminoglycans in cartilage tissue engineered constructs. <i>Acta Biomaterialia</i> , 2019 , 100, 202-212	10.8	3
332	Degradable Nanoparticles Restore Lysosomal pH and Autophagic Flux in Lipotoxic Pancreatic Beta Cells. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801511	10.1	14
331	Contrast-Enhanced Computed Tomography Scoring System for Distinguishing Early Osteoarthritis Disease States: A Feasibility Study. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 2138-2148	3.8	2
330	Intraarticular injection of relaxin-2 alleviates shoulder arthrofibrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 12183-12192	11.5	15
329	Recapitulating bone development through engineered mesenchymal condensations and mechanical cues for tissue regeneration. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	64
328	A Synthetic Bottle-brush Polyelectrolyte Reduces Friction and Wear of Intact and Previously Worn Cartilage. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 3060-3067	5.5	7
327	Simultaneous Quantitation of Cationic and Non-ionic Contrast Agents in Articular Cartilage Using Synchrotron MicroCT Imaging. <i>Scientific Reports</i> , 2019 , 9, 7118	4.9	10
326	Evaluation of equine articular cartilage degeneration after mechanical impact injury using cationic contrast-enhanced computed tomography. <i>Osteoarthritis and Cartilage</i> , 2019 , 27, 1219-1228	6.2	7
325	Design, synthesis, and biomedical applications of synthetic sulphated polysaccharides. <i>Chemical Society Reviews</i> , 2019 , 48, 2338-2365	58.5	59
324	Biodegradable PLGA Nanoparticles Restore Lysosomal Acidity and Protect Neural PC-12 Cells against Mitochondrial Toxicity. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 13910-13917	3.9	9
323	The cell adhesion molecule IGPR-1 is activated by and regulates responses of endothelial cells to shear stress. <i>Journal of Biological Chemistry</i> , 2019 , 294, 13671-13680	5.4	8
322	Imaging of proteoglycan and water contents in human articular cartilage with full-body CT using dual contrast technique. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 1059-1070	3.8	15
321	Protocol development for synchrotron contrast-enhanced CT of human hip cartilage. <i>Medical Engineering and Physics</i> , 2019 , 73, 1-8	2.4	0

3 ²⁰	Sustainable polycarbonate adhesives for dry and aqueous conditions with thermoresponsive properties. <i>Nature Communications</i> , 2019 , 10, 5478	17.4	29
3 ¹⁹	Poly(Alkyl Glycidate Carbonate)s as Degradable Pressure-Sensitive Adhesives. <i>Angewandte Chemie</i> , 2019 , 131, 1421-1425	3.6	3
3 ¹⁸	Nanoparticle-mediated lysosomal reacidification restores mitochondrial turnover and function in β cells under lipotoxicity. <i>FASEB Journal</i> , 2019 , 33, 4154-4165	0.9	21
3 ¹⁷	Bioconjugated Oligonucleotides: Recent Developments and Therapeutic Applications. <i>Bioconjugate Chemistry</i> , 2019 , 30, 366-383	6.3	88
3 ¹⁶	SUV39H1 Represses the Expression of Cytotoxic T-Lymphocyte Effector Genes to Promote Colon Tumor Immune Evasion. <i>Cancer Immunology Research</i> , 2019 , 7, 414-427	12.5	23
3 ¹⁵	Assessment of healthy trapeziometacarpal cartilage properties using indentation testing and contrast-enhanced computed tomography. <i>Clinical Biomechanics</i> , 2019 , 61, 181-189	2.2	8
3 ¹⁴	Meroterpenoids from <i>Neosetophoma</i> sp.: A Dioxo[4.3.3]propellane Ring System, Potent Cytotoxicity, and Prolific Expression. <i>Organic Letters</i> , 2019 , 21, 529-534	6.2	23
3 ¹³	Polymer-drug conjugate therapeutics: advances, insights and prospects. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 273-294	64.1	360
3 ¹²	Poly(Alkyl Glycidate Carbonate)s as Degradable Pressure-Sensitive Adhesives. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1407-1411	16.4	20
3 ¹¹	Sensing Native Protein Solution Structures Using a Solid-state Nanopore: Unraveling the States of VEGF. <i>Scientific Reports</i> , 2018 , 8, 1017	4.9	25
3 ¹⁰	Recent advances in articular cartilage evaluation using computed tomography and magnetic resonance imaging. <i>Equine Veterinary Journal</i> , 2018 , 50, 564-579	2.4	18
3 ⁰⁹	Tension-Activated Delivery of Small Molecules and Proteins from Superhydrophobic Composites. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701096	10.1	5
3 ⁰⁸	Functional effects of an interpenetrating polymer network on articular cartilage mechanical properties. <i>Osteoarthritis and Cartilage</i> , 2018 , 26, 414-421	6.2	7
3 ⁰⁷	Quantitative Dual Contrast CT Technique for Evaluation of Articular Cartilage Properties. <i>Annals of Biomedical Engineering</i> , 2018 , 46, 1038-1046	4.7	14
3 ⁰⁶	Piperidinium ionic liquids as electrolyte solvents for sustained high temperature supercapacitor operation. <i>Chemical Communications</i> , 2018 , 54, 5590-5593	5.8	29
3 ⁰⁵	Reinforcement of polymeric nanoassemblies for ultra-high drug loadings, modulation of stiffness and release kinetics, and sustained therapeutic efficacy. <i>Nanoscale</i> , 2018 , 10, 8360-8366	7.7	9
3 ⁰⁴	Predoctoral and Postdoctoral Training Pipeline in Translational Biomaterials Research and Regenerative Medicine. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 3919-3926	5.5	3
3 ⁰³	Active agents, biomaterials, and technologies to improve biolubrication and strengthen soft tissues. <i>Biomaterials</i> , 2018 , 181, 210-226	15.6	29

302	Fluorescent Dendritic Micro-Hydrogels: Synthesis, Analysis and Use in Single-Cell Detection. <i>Molecules</i> , 2018 , 23,	4.8	2
301	Contrast-enhanced computed tomography (CECT) attenuation is associated with stiffness of intact knee cartilage. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 2641-2647	3.8	6
300	Mechanical confinement via a PEG/Collagen interpenetrating network inhibits behavior characteristic of malignant cells in the triple negative breast cancer cell line MDA.MB.231. <i>Acta Biomaterialia</i> , 2018 , 77, 85-95	10.8	19
299	Contrasting roles of H3K4me3 and H3K9me3 in regulation of apoptosis and gemcitabine resistance in human pancreatic cancer cells. <i>BMC Cancer</i> , 2018 , 18, 149	4.8	29
298	A synthetic polymeric biolubricant imparts chondroprotection in a rat meniscal tear model. <i>Biomaterials</i> , 2018 , 182, 13-20	15.6	11
297	Biologically Active Branched Polysaccharide Mimetics: Synthesis via Ring-Opening Polymerization of a Maltose-Based Lactam. <i>ACS Macro Letters</i> , 2018 , 7, 772-777	6.6	12
296	Tubular TiO ₂ Nanostructures: Toward Safer Microsupercapacitors. <i>Advanced Materials Technologies</i> , 2018 , 3, 1700194	6.8	8
295	Synthesis of Cationic Amphiphilic Surface-Block Polyester Dendrimers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018 , 28, 383-398	3.2	1
294	Meta-analysis and Systematic Review of Skin Graft Donor-site Dressings with Future Guidelines. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018 , 6, e1928	1.2	51
293	Single-molecule protein sensing in a nanopore: a tutorial. <i>Chemical Society Reviews</i> , 2018 , 47, 8512-8524	58.5	125
292	Rat Model of Adhesive Capsulitis of the Shoulder. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1
291	A Solid-State Hard Microfluidic-Nanopore Biosensor with Multilayer Fluidics and On-Chip Bioassay/Purification Chamber. <i>Advanced Functional Materials</i> , 2018 , 28, 1804182	15.6	17
290	Friction-lowering capabilities and human subject preferences for a hydrophilic surface coating on latex substrates: implications for increasing condom usage. <i>Royal Society Open Science</i> , 2018 , 5, 180291	3.3	4
289	Local Cancer Recurrence: The Realities, Challenges, and Opportunities for New Therapies. <i>Ca-A Cancer Journal for Clinicians</i> , 2018 , 68, 488-505	220.7	106
288	Single-Molecule Discrimination of Labeled DNAs and Polypeptides Using Photoluminescent-Free TiO Nanopores. <i>ACS Nano</i> , 2018 , 12, 11648-11656	16.7	26
287	Nucleic acid nanomedicines in Phase II/III clinical trials: translation of nucleic acid therapies for reprogramming cells. <i>Nanomedicine</i> , 2018 , 13, 2083-2098	5.6	17
286	Contrast-enhanced CT imaging as a non-destructive tool for ex vivo examination of the biochemical content and structure of the human meniscus. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 1018-1028	3.8	3
285	Highly Specific and Sensitive Fluorescent Nanoprobes for Image-Guided Resection of Sub-Millimeter Peritoneal Tumors. <i>ACS Nano</i> , 2017 , 11, 1466-1477	16.7	35

284	Cation Tuning of Supramolecular Gel Properties: A New Paradigm for Sustained Drug Delivery. <i>Advanced Materials</i> , 2017 , 29, 1605227	24	47
283	Modulation of the effective viscosity of polymer films by ultraviolet ozone treatment. <i>Polymer</i> , 2017 , 116, 498-505	3.9	8
282	Assessing Cartilage Biomechanical Properties: Techniques for Evaluating the Functional Performance of Cartilage in Health and Disease. <i>Annual Review of Biomedical Engineering</i> , 2017 , 19, 27-55 ¹²	12	26
281	Biomass-Based Fuels and Activated Carbon Electrode Materials: An Integrated Approach to Green Energy Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3046-3054	8.3	65
280	On-Demand Dissolution of Chemically Cross-Linked Hydrogels. <i>Accounts of Chemical Research</i> , 2017 , 50, 151-160	24.3	60
279	Nanoparticle drug-delivery systems for peritoneal cancers: a case study of the design, characterization and development of the expansile nanoparticle. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1451	9.2	27
278	Use of contrast media in computed tomography and magnetic resonance imaging in horses: Techniques, adverse events and opportunities. <i>Equine Veterinary Journal</i> , 2017 , 49, 410-424	2.4	23
277	Murine articular cartilage morphology and compositional quantification with high resolution cationic contrast-enhanced CT. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 2740-2748	3.8	13
276	Synthesis and Preclinical Characterization of a Cationic Iodinated Imaging Contrast Agent (CA4+) and Its Use for Quantitative Computed Tomography of Ex Vivo Human Hip Cartilage. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 5543-5555	8.3	23
275	Stereotactic core needle breast biopsy marker migration: An analysis of factors contributing to immediate marker migration. <i>European Radiology</i> , 2017 , 27, 4797-4803	8	10
274	Reinforcement of articular cartilage with a tissue-interpenetrating polymer network reduces friction and modulates interstitial fluid load support. <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 1143-1149	6.2	9
273	Mimicking the tumor microenvironment to regulate macrophage phenotype and assessing chemotherapeutic efficacy in embedded cancer cell/macrophage spheroid models. <i>Acta Biomaterialia</i> , 2017 , 50, 271-279	10.8	43
272	A hydrogel sealant for the treatment of severe hepatic and aortic trauma with a dissolution feature for post-emergent care. <i>Materials Horizons</i> , 2017 , 4, 222-227	14.4	19
271	Synthesis of poly(1,2-glycerol carbonate)-paclitaxel conjugates and their utility as a single high-dose replacement for multi-dose treatment regimens in peritoneal cancer. <i>Chemical Science</i> , 2017 , 8, 8443-8450	9.4	13
270	Tunable resistive pulse sensing and nanoindentation of pH-responsive expansile nanoparticles. <i>International Journal of Nanotechnology</i> , 2017 , 14, 446	1.5	
269	Synthesis of an Environmentally Friendly Alkyl Carbonate Electrolyte Based on Glycerol for Lithium-Ion Supercapacitor Operation at 100 °C. <i>Advanced Sustainable Systems</i> , 2017 , 1, 1700067	5.9	5
268	Embedded Spheroids as Models of the Cancer Microenvironment. <i>Advanced Biology</i> , 2017 , 1, 1700083	3.5	39
267	Synthesis of Altrose Poly-amido-saccharides with EN-(1- β)-d-amide Linkages: A Right-Handed Helical Conformation Engineered in at the Monomer Level. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14217-14223	16.4	23

266	Breast Cancer Spheroids Reveal a Differential Cancer Stem Cell Response to Chemotherapeutic Treatment. <i>Scientific Reports</i> , 2017 , 7, 10382	4.9	73
265	Chemical synthesis of polysaccharides and polysaccharide mimetics. <i>Progress in Polymer Science</i> , 2017 , 74, 78-116	29.6	66
264	Cover Image, Volume 9, Issue 3. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1474	9.2	1
263	Surface Tension Sensor Meshes for Rapid Alcohol Quantification. <i>RSC Advances</i> , 2017 , 7, 49795-49798	3.7	2
262	Mechanoresponsive materials for drug delivery: Harnessing forces for controlled release. <i>Advanced Drug Delivery Reviews</i> , 2017 , 108, 68-82	18.5	61
261	Contrast-Enhanced Computed Tomography Enables Quantitative Evaluation of Tissue Properties at Intra-joint Regions in Cadaveric Knee Cartilage. <i>Cartilage</i> , 2017 , 8, 391-399	3	17
260	Micro-Scale Distribution of CA4+ in Ex vivo Human Articular Cartilage Detected with Contrast-Enhanced Micro-Computed Tomography Imaging. <i>Frontiers in Physics</i> , 2017 , 5,	3.9	8
259	High temperature electrical energy storage: advances, challenges, and frontiers. <i>Chemical Society Reviews</i> , 2016 , 45, 5848-5887	58.5	182
258	On-Demand Dissolution of a Dendritic Hydrogel-based Dressing for Second-Degree Burn Wounds through Thiol-Thioester Exchange Reaction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9984-7	16.4	122
257	On-Demand Dissolution of a Dendritic Hydrogel-based Dressing for Second-Degree Burn Wounds through Thiol-Thioester Exchange Reaction. <i>Angewandte Chemie</i> , 2016 , 128, 10138-10141	3.6	11
256	Superhydrophobic materials for biomedical applications. <i>Biomaterials</i> , 2016 , 104, 87-103	15.6	246
255	Chapter 3 Dendritic Polymers for the Repair of Tissues 2016 , 77-106		
254	Synthesis of Ionic Liquid Based Electrolytes, Assembly of Li-ion Batteries, and Measurements of Performance at High Temperature. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	1
253	BMPR1A antagonist differentially affects cartilage and bone formation during fracture healing. <i>Journal of Orthopaedic Research</i> , 2016 , 34, 2096-2105	3.8	9
252	Stretch-Induced Drug Delivery from Superhydrophobic Polymer Composites: Use of Crack Propagation Failure Modes for Controlling Release Rates. <i>Angewandte Chemie</i> , 2016 , 128, 2846-2850	3.6	10
251	Cationic Contrast Agent Diffusion Differs Between Cartilage and Meniscus. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 2913-2921	4.7	15
250	Ionic Liquid-Organic Carbonate Electrolyte Blends To Stabilize Silicon Electrodes for Extending Lithium Ion Battery Operability to 100 °C. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15242-9	9.5	40
249	Nanoparticle tumor localization, disruption of autophagosomal trafficking, and prolonged drug delivery improve survival in peritoneal mesothelioma. <i>Biomaterials</i> , 2016 , 102, 175-86	15.6	25

248	Synthetic Biomaterials from Metabolically Derived Synthons. <i>Chemical Reviews</i> , 2016 , 116, 2664-704	68.1	55
247	Prevention of lung cancer recurrence using cisplatin-loaded superhydrophobic nanofiber meshes. <i>Biomaterials</i> , 2016 , 76, 273-81	15.6	83
246	Self-assembly of a 5-fluorouracil-dipeptide hydrogel. <i>Chemical Communications</i> , 2016 , 52, 5254-7	5.8	47
245	Recent Advances in Dendritic Macromonomers for Hydrogel Formation and Their Medical Applications. <i>Biomacromolecules</i> , 2016 , 17, 1235-52	6.9	42
244	Stimuli responsive charge-switchable lipids: Capture and release of nucleic acids. <i>Chemistry and Physics of Lipids</i> , 2016 , 196, 52-60	3.7	6
243	Nanotechnology applications in thoracic surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 50, 6-16	3	8
242	Polymer film-nanoparticle composites as new multimodality, non-migrating breast biopsy markers. <i>European Radiology</i> , 2016 , 26, 866-73	8	6
241	A Tissue-Penetrating Double Network Restores the Mechanical Properties of Degenerated Articular Cartilage. <i>Angewandte Chemie</i> , 2016 , 128, 4298-4302	3.6	8
240	Contrast-enhanced CT using a cationic contrast agent enables non-destructive assessment of the biochemical and biomechanical properties of mouse tibial plateau cartilage. <i>Journal of Orthopaedic Research</i> , 2016 , 34, 1130-8	3.8	36
239	Innenfktitelbild: Stretch-Induced Drug Delivery from Superhydrophobic Polymer Composites: Use of Crack Propagation Failure Modes for Controlling Release Rates (Angew. Chem. 8/2016). <i>Angewandte Chemie</i> , 2016 , 128, 2997-2997	3.6	
238	Macromolecular photoinitiators enhance the hydrophilicity and lubricity of natural rubber. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	8
237	Lysosome acidification by photoactivated nanoparticles restores autophagy under lipotoxicity. <i>Journal of Cell Biology</i> , 2016 , 214, 25-34	7.3	46
236	Stretch-Induced Drug Delivery from Superhydrophobic Polymer Composites: Use of Crack Propagation Failure Modes for Controlling Release Rates. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2796-800	16.4	44
235	A Tissue-Penetrating Double Network Restores the Mechanical Properties of Degenerated Articular Cartilage. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4226-30	16.4	30
234	Two-Step Delivery: Exploiting the Partition Coefficient Concept to Increase Intratumoral Paclitaxel Concentrations In vivo Using Responsive Nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 18720	4.9	15
233	Self-assembled nanofiber hydrogels for mechanoresponsive therapeutic anti-TNF α antibody delivery. <i>Chemical Communications</i> , 2016 , 52, 5860-3	5.8	29
232	Evaluation of expansile nanoparticle tumor localization and efficacy in a cancer stem cell-derived model of pancreatic peritoneal carcinomatosis. <i>Nanomedicine</i> , 2016 , 11, 1001-15	5.6	16
231	Combined Molecular Dynamics Simulations and Experimental Studies of the Structure and Dynamics of Poly-Amido-Saccharides. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6532-40	16.4	22

230	From Diagnosis to Treatment: Clinical Applications of Nanotechnology in Thoracic Surgery. <i>Thoracic Surgery Clinics</i> , 2016 , 26, 215-28	3.1	8
229	Rate limiting activity of charge transfer during lithiation from ionic liquids. <i>Journal of Power Sources</i> , 2016 , 330, 84-91	8.9	15
228	Layered superhydrophobic meshes for controlled drug release. <i>Journal of Controlled Release</i> , 2015 , 214, 23-9	11.7	44
227	Synthesis and Characterization of Hybrid Polymer/Lipid Expansile Nanoparticles: Imparting Surface Functionality for Targeting and Stability. <i>Biomacromolecules</i> , 2015 , 16, 1958-66	6.9	27
226	Photo-crosslinking of a self-assembled coumarin-dipeptide hydrogel. <i>New Journal of Chemistry</i> , 2015 , 39, 3225-3228	3.6	38
225	Synthesis of Aliphatic Poly(ether 1,2-glycerol carbonate)s via Copolymerization of CO ₂ with Glycidyl Ethers Using a Cobalt Salen Catalyst and Study of a Thermally Stable Solid Polymer Electrolyte. <i>ACS Macro Letters</i> , 2015 , 4, 533-537	6.6	35
224	Paclitaxel-loaded expansile nanoparticles enhance chemotherapeutic drug delivery in mesothelioma 3-dimensional multicellular spheroids. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 149, 1417-24; discussion 1424-25.e1	1.5	20
223	The efficacy of a lysine-based dendritic hydrogel does not differ from those of commercially available tissue sealants and adhesives: an ex vivo study. <i>BMC Musculoskeletal Disorders</i> , 2015 , 16, 116	2.8	7
222	Poly(ϵ -caprolactone) Microfiber Meshes for Repeated Oil Retrieval. <i>Environmental Science: Water Research and Technology</i> , 2015 , 1, 779-786	4.2	6
221	Thermally-responsive, nonflammable phosphonium ionic liquid electrolytes for lithium metal batteries: operating at 100 degrees celsius. <i>Chemical Science</i> , 2015 , 6, 6601-6606	9.4	28
220	Synthesis and Characterization of Poly(glyceric Acid Carbonate): A Degradable Analogue of Poly(acrylic Acid). <i>Journal of the American Chemical Society</i> , 2015 , 137, 12660-6	16.4	42
219	Contrast-enhanced CT facilitates rapid, non-destructive assessment of cartilage and bone properties of the human metacarpal. <i>Osteoarthritis and Cartilage</i> , 2015 , 23, 2158-2166	6.2	26
218	The self-assembly of anticancer camptothecin-dipeptide nanotubes: a minimalistic and high drug loading approach to increased efficacy. <i>Chemistry - A European Journal</i> , 2015 , 21, 101-5	4.8	69
217	Sensors: Surface Tension Triggered Wetting and Point of Care Sensor Design (Adv. Healthcare Mater. 11/2015). <i>Advanced Healthcare Materials</i> , 2015 , 4, 1653-1653	10.1	70
216	Fabricating Superhydrophobic Polymeric Materials for Biomedical Applications. <i>Journal of Visualized Experiments</i> , 2015 , e53117	1.6	2
215	Surface Tension Triggered Wetting and Point of Care Sensor Design. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1654-7	10.1	4
214	A cationic gadolinium contrast agent for magnetic resonance imaging of cartilage. <i>Chemical Communications</i> , 2015 , 51, 11166-11169	5.8	19
213	Functionalized Nanofiber Meshes Enhance Immunosorbent Assays. <i>Analytical Chemistry</i> , 2015 , 87, 11863-70	7.0	14

212	The chemistry and engineering of polymeric hydrogel adhesives for wound closure: a tutorial. <i>Chemical Society Reviews</i> , 2015 , 44, 1820-35	58.5	480
211	Poly-amido-saccharides (PASS): Characterization of the Secondary Structure and Protein Interactions. <i>FASEB Journal</i> , 2015 , 29, LB95	0.9	
210	Synthesis of Bioinspired Carbohydrate Amphiphiles that Promote and Inhibit Biofilms. <i>Chemical Science</i> , 2014 , 5,	9.4	46
209	Tantalum Oxide Nanoparticles for the Imaging of Articular Cartilage Using X-Ray Computed Tomography: Visualization of Ex Vivo/In Vivo Murine Tibia and Ex Vivo Human Index Finger Cartilage. <i>Angewandte Chemie</i> , 2014 , 126, 8546-8550	3.6	7
208	The effects of counterion composition on the rheological and conductive properties of mono- and diphosphonium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20608-17	3.6	13
207	Synthesis of Hydrophobic Carbohydrate Polymers and Their Formation of Thermotropic Liquid Crystalline Phases. <i>ACS Macro Letters</i> , 2014 , 3, 359-363	6.6	12
206	Carboxylated glucuronic poly-amido-saccharides as protein stabilizing agents. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9544-7	16.4	35
205	A reversible supramolecular assembly containing ionic interactions and disulfide linkages. <i>New Journal of Chemistry</i> , 2014 , 38, 5186-5189	3.6	5
204	Embedded multicellular spheroids as a biomimetic 3D cancer model for evaluating drug and drug-device combinations. <i>Biomaterials</i> , 2014 , 35, 2264-71	15.6	115
203	Contrast-enhanced computed tomography imaging using a cationic contrast agent correlates with the equilibrium modulus of mouse tibial plateau cartilage. <i>Osteoarthritis and Cartilage</i> , 2014 , 22, S345-S346	6.2	2
202	Imparting superhydrophobicity to biodegradable poly(lactide-co-glycolide) electrospun meshes. <i>Biomacromolecules</i> , 2014 , 15, 2548-54	6.9	23
201	Photoactive Electrospun Polymeric Meshes: Spatiotemporally Wetting of Textured 3-Dimensional Structures. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 2974-2977	7.3	7
200	Terpolymerization of benzyl glycidyl ether, propylene oxide, and CO ₂ using binary and bifunctional [rac-SalcyColIIX] complexes and the thermal and mechanical properties of the resultant poly(benzyl 1,2-glycerol-co-propylene carbonate)s and poly(1,2-glycerol-co-propylene carbonate)s. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	5
199	Effect of mechanical convection on the partitioning of an anionic iodinated contrast agent in intact patellar cartilage. <i>Journal of Orthopaedic Research</i> , 2014 , 32, 1333-40	3.8	17
198	Recent advances in glycerol polymers: chemistry and biomedical applications. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1906-24	4.8	89
197	Tantalum oxide nanoparticles for the imaging of articular cartilage using X-ray computed tomography: visualization of ex vivo/in vivo murine tibia and ex vivo human index finger cartilage. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8406-10	16.4	40
196	Conducting Polymer Nanopatterns 2014 , 1002-1012		
195	A facile approach to robust superhydrophobic 3D coatings via connective-particle formation using the electrospaying process. <i>Chemical Communications</i> , 2013 , 49, 804-6	5.8	35

194	Ionic Supramolecular Assemblies. <i>Israel Journal of Chemistry</i> , 2013 , 53, 498-510	3.4	23
193	Bone-Crack Detection, Targeting, and Repair Using Ion Gradients. <i>Angewandte Chemie</i> , 2013 , 125, 11203-11208	16.4	43
192	A Mechanistic Study of Wetting Superhydrophobic Porous 3D Meshes. <i>Advanced Functional Materials</i> , 2013 , 23, 3628-3637	15.6	77
191	Bone-crack detection, targeting, and repair using ion gradients. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10997-1001	16.4	43
190	Synthetic Enantiopure Carbohydrate Polymers that are Highly Soluble in Water and Noncytotoxic. <i>ACS Macro Letters</i> , 2013 , 2, 887-890	6.6	30
189	A nanopore-nanofiber mesh biosensor to control DNA translocation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16304-7	16.4	73
188	Lipid-mediated DNA and siRNA Transfection Efficiency Depends on Peptide Headgroup. <i>Soft Matter</i> , 2013 , 9,	3.6	14
187	Cationic agent contrast-enhanced computed tomography imaging of cartilage correlates with the compressive modulus and coefficient of friction. <i>Osteoarthritis and Cartilage</i> , 2013 , 21, 60-8	6.2	43
186	Synthesis of atactic and isotactic poly(1,2-glycerol carbonate)s: degradable polymers for biomedical and pharmaceutical applications. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6806-9	16.4	105
185	Microscopy and tunable resistive pulse sensing characterization of the swelling of pH-responsive, polymeric expansile nanoparticles. <i>Nanoscale</i> , 2013 , 5, 3496-504	7.7	45
184	X-ray-computed tomography contrast agents. <i>Chemical Reviews</i> , 2013 , 113, 1641-66	68.1	613
183	A large-molecular-weight polyanion, synthesized via ring-opening metathesis polymerization, as a lubricant for human articular cartilage. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4930-3	16.4	49
182	Triggered drug release from superhydrophobic meshes using high-intensity focused ultrasound. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1204-8	10.1	31
181	In vitro activity of Paclitaxel-loaded polymeric expansile nanoparticles in breast cancer cells. <i>Biomacromolecules</i> , 2013 , 14, 2074-82	6.9	36
180	Glass Transition Temperature of Polymer Nanoparticle Composites: Effect of Polymer Particle Interfacial Energy. <i>Macromolecules</i> , 2013 , 46, 4663-4669	5.5	35
179	Prevention of nodal metastases in breast cancer following the lymphatic migration of paclitaxel-loaded expansile nanoparticles. <i>Biomaterials</i> , 2013 , 34, 1810-9	15.6	34
178	Cytoreductive surgery and intraoperative administration of paclitaxel-loaded expansile nanoparticles delay tumor recurrence in ovarian carcinoma. <i>Annals of Surgical Oncology</i> , 2013 , 20, 1684-93	3.1	23
177	Contrast-enhanced CT with a high-affinity cationic contrast agent for imaging ex vivo bovine, intact ex vivo rabbit, and in vivo rabbit cartilage. <i>Radiology</i> , 2013 , 266, 141-50	20.5	64

176	Superhydrophobic Materials: Triggered Drug Release from Superhydrophobic Meshes using High-Intensity Focused Ultrasound (Adv. Healthcare Mater. 9/2013). <i>Advanced Healthcare Materials</i> , 2013 , 2, 1182-1182	10.1	
175	Assessment of contrast-enhanced computed tomography for imaging of cartilage during fracture healing. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 567-73	3.8	22
174	Contrast enhanced CT attenuation correlates with the GAG content of bovine meniscus. <i>Journal of Orthopaedic Research</i> , 2013 , 31, 1765-71	3.8	20
173	A dendritic thioester hydrogel based on thiol-thioester exchange as a dissolvable sealant system for wound closure. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 14070-4	16.4	125
172	A Dendritic Thioester Hydrogel Based on Thiol-Thioester Exchange as a Dissolvable Sealant System for Wound Closure. <i>Angewandte Chemie</i> , 2013 , 125, 14320-14324	3.6	10
171	Use of Tunable Pores for Accurate Characterization of Micro- and Nanoparticle Systems in Nanomedicine. <i>Regenerative Medicine, Artificial Cells and Nanomedicine</i> , 2013 , 219-255		3
170	Cartilage Imaging and Other Novel Assessments of Bone Repair. <i>FASEB Journal</i> , 2013 , 27, 317.1	0.9	
169	Formation of supramolecular systems via directed Nucleoside-Lipid recognition. <i>Journal of Colloid and Interface Science</i> , 2012 , 377, 122-30	9.3	11
168	Tunable pores for measuring concentrations of synthetic and biological nanoparticle dispersions. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 17-25	11.8	104
167	Local drug delivery strategies for cancer treatment: gels, nanoparticles, polymeric films, rods, and wafers. <i>Journal of Controlled Release</i> , 2012 , 159, 14-26	11.7	564
166	3D superhydrophobic electrospun meshes as reinforcement materials for sustained local drug delivery against colorectal cancer cells. <i>Journal of Controlled Release</i> , 2012 , 162, 92-101	11.7	124
165	MRT letter: Contrast-enhanced computed tomographic imaging of soft callus formation in fracture healing. <i>Microscopy Research and Technique</i> , 2012 , 75, 7-14	2.8	12
164	Synthesis, characterization, and in vitro evaluation of a hydrogel-based corneal onlay. <i>IEEE Transactions on Nanobioscience</i> , 2012 , 11, 37-45	3.4	17
163	Superhydrophobic materials for tunable drug release: using displacement of air to control delivery rates. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2016-9	16.4	201
162	Poly-amido-saccharides: synthesis via anionic polymerization of a lactam sugar monomer. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16255-64	16.4	64
161	Characterization of large molecular weight ester-functionalized norbornene and hydroxylated norbornane carboxylic acid polymers prepared by ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 5185-5190	2.5	2
160	Nanoparticle migration and delivery of Paclitaxel to regional lymph nodes in a large animal model. <i>Journal of the American College of Surgeons</i> , 2012 , 214, 328-37	4.4	31
159	The Role of Supramolecular Chemistry in Responsive Vectors for Gene Delivery 2012 ,		2

158	From Brittle to Pliant Viscoelastic Materials with Solid State Linear Polyphosphonium - Carboxylate Assemblies. <i>Macromolecules</i> , 2012 , 45, 2509-2513	5.5	27
157	Functionalized hydrophobic poly(glycerol-co-ε-caprolactone) depots for controlled drug release. <i>Biomacromolecules</i> , 2012 , 13, 406-11	6.9	27
156	Influence of Phosphonium Alkyl Substituents on the Rheological and Thermal Properties of Phosphonium-PAA-Based Supramolecular Polymeric Assemblies. <i>Macromolecules</i> , 2012 , 45, 9500-9506	5.5	17
155	Biocompatible and bioactive surface modifications for prolonged in vivo efficacy. <i>Chemical Reviews</i> , 2012 , 112, 1615-32	68.1	195
154	Exploiting dendrimer multivalency to combat emerging and re-emerging infectious diseases. <i>Molecular Pharmaceutics</i> , 2012 , 9, 342-54	5.6	118
153	Hydrogels as intracellular depots for drug delivery. <i>Molecular Pharmaceutics</i> , 2012 , 9, 196-200	5.6	24
152	Functional lipids and lipoplexes for improved gene delivery. <i>Biochimie</i> , 2012 , 94, 42-58	4.6	107
151	Paclitaxel-eluting polymer film reduces locoregional recurrence and improves survival in a recurrent sarcoma model: a novel investigational therapy. <i>Annals of Surgical Oncology</i> , 2012 , 19, 199-206 ^{3,1}		38
150	Charge-reversal lipids, peptide-based lipids, and nucleoside-based lipids for gene delivery. <i>Accounts of Chemical Research</i> , 2012 , 45, 1026-38	24.3	50
149	Biologically responsive polymeric nanoparticles for drug delivery. <i>Advanced Materials</i> , 2012 , 24, 3878-86 ²⁴		165
148	Diphosphonium ionic liquids as broad-spectrum antimicrobial agents. <i>Cornea</i> , 2012 , 31, 810-6	3.1	37
147	Novel infection-resistant surface coatings: A bioengineering approach. <i>MRS Bulletin</i> , 2011 , 36, 357-366	3.2	33
146	Bioactive stent surface coating that promotes endothelialization while preventing platelet adhesion. <i>Biomacromolecules</i> , 2011 , 12, 533-9	6.9	49
145	Biomedical applications of dendrimers: a tutorial. <i>Chemical Society Reviews</i> , 2011 , 40, 173-90	58.5	557
144	Reduction-triggered delivery using nucleoside-lipid based carriers possessing a cleavable PEG coating. <i>Journal of Controlled Release</i> , 2011 , 151, 123-30	11.7	30
143	Contrast agent electrostatic attraction rather than repulsion to glycosaminoglycans affords a greater contrast uptake ratio and improved quantitative CT imaging in cartilage. <i>Osteoarthritis and Cartilage</i> , 2011 , 19, 970-6	6.2	66
142	Paclitaxel-loaded expansile nanoparticles delay local recurrence in a heterotopic murine non-small cell lung cancer model. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 1077-83; discussion 1083-4	2.7	24
141	Paclitaxel-loaded expansile nanoparticles in a multimodal treatment model of malignant mesothelioma. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 2007-13; discussion 2013-4	2.7	15

140	The performance of expansile nanoparticles in a murine model of peritoneal carcinomatosis. <i>Biomaterials</i> , 2011 , 32, 832-40	15.6	43
139	Cationic contrast agents improve quantification of glycosaminoglycan (GAG) content by contrast enhanced CT imaging of cartilage. <i>Journal of Orthopaedic Research</i> , 2011 , 29, 704-9	3.8	80
138	Synthesis and characterization of dendron cross-linked PEG hydrogels as corneal adhesives. <i>Biomacromolecules</i> , 2011 , 12, 1658-65	6.9	48
137	A versatile reagent to synthesize diverse ionic liquids ranging from small molecules and dendrimers to functionalized proteins. <i>Chemical Communications</i> , 2011 , 47, 2128-30	5.8	5
136	Macropinocytosis is the major pathway responsible for DNA transfection in CHO cells by a charge-reversal amphiphile. <i>Molecular Pharmaceutics</i> , 2011 , 8, 758-66	5.6	43
135	Synthesis, characterization, and in vitro transfection activity of charge-reversal amphiphiles for DNA delivery. <i>Bioconjugate Chemistry</i> , 2011 , 22, 690-9	6.3	29
134	Hydrogel sealants for wound repair in ophthalmic surgery 2010 , 411-432		1
133	The effect of charge-reversal amphiphile spacer composition on DNA and siRNA delivery. <i>Bioconjugate Chemistry</i> , 2010 , 21, 988-93	6.3	16
132	Acidic polysaccharide mimics via ring-opening metathesis polymerization. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15887-9	16.4	27
131	Synthesis and Creep-Recovery Behavior of a Neat Viscoelastic Polymeric Network Formed through Electrostatic Interactions. <i>Macromolecules</i> , 2010 , 43, 9529-9533	5.5	34
130	Nanotechnology in thoracic surgery. <i>Annals of Thoracic Surgery</i> , 2010 , 89, S2188-90	2.7	4
129	Silver nanoparticle-catalyzed Diels-Alder cycloadditions of 2-hydroxychalcones. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7514-8	16.4	112
128	Prevention of local tumor recurrence following surgery using low-dose chemotherapeutic polymer films. <i>Annals of Surgical Oncology</i> , 2010 , 17, 1203-13	3.1	55
127	Cationic nucleoside lipids derived from universal bases: A rational approach for siRNA transfection. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1062-9	6.3	27
126	Staphylococcus aureus resistance on titanium coated with multivalent PEGylated-peptides. <i>Biomaterials</i> , 2010 , 31, 9285-92	15.6	50
125	Peptide interfacial biomaterials improve endothelial cell adhesion and spreading on synthetic polyglycolic acid materials. <i>Annals of Biomedical Engineering</i> , 2010 , 38, 1965-76	4.7	41
124	Prevention of in vivo lung tumor growth by prolonged local delivery of hydroxycamptothecin using poly(ester-carbonate)-collagen composites. <i>Journal of Controlled Release</i> , 2010 , 144, 280-7	11.7	50
123	Contrast enhanced computed tomography can predict the glycosaminoglycan content and biomechanical properties of articular cartilage. <i>Osteoarthritis and Cartilage</i> , 2010 , 18, 184-91	6.2	85

122	Ease of synthesis, controllable sizes, and in vivo large-animal-lymph migration of polymeric nanoparticles. <i>ChemMedChem</i> , 2010 , 5, 1435-8	3.7	19
121	In vitro sealing of clear corneal cataract incisions with a novel biodendrimer adhesive. <i>JAMA Ophthalmology</i> , 2009 , 127, 430-4		19
120	Comparison of sutures and dendritic polymer adhesives for corneal laceration repair in an in vivo chicken model. <i>JAMA Ophthalmology</i> , 2009 , 127, 442-7		44
119	The development of peptide-based interfacial biomaterials for generating biological functionality on the surface of bioinert materials. <i>Biomaterials</i> , 2009 , 30, 277-86	15.6	61
118	Anionic nucleotide-lipids for in vitro DNA transfection. <i>Bioconjugate Chemistry</i> , 2009 , 20, 1765-72	6.3	48
117	Cationic nucleoside lipids based on a 3-nitropyrrole universal base for siRNA delivery. <i>Bioconjugate Chemistry</i> , 2009 , 20, 193-6	6.3	32
116	Effect of contrast agent charge on visualization of articular cartilage using computed tomography: exploiting electrostatic interactions for improved sensitivity. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13234-5	16.4	76
115	Expansile nanoparticles: synthesis, characterization, and in vivo efficacy of an acid-responsive polymeric drug delivery system. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2469-71	16.4	261
114	Directed assembly of PEGylated-peptide coatings for infection-resistant titanium metal. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10992-7	16.4	113
113	Image-guided sentinel lymph node mapping and nanotechnology-based nodal treatment in lung cancer using invisible near-infrared fluorescent light. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2009 , 21, 309-15	1.7	52
112	Prevention of local tumor growth with paclitaxel-loaded microspheres. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008 , 135, 1014-21	1.5	21
111	Nucleoside, nucleotide and oligonucleotide based amphiphiles: a successful marriage of nucleic acids with lipids. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 1324-33	3.9	148
110	Anionic amphiphilic dendrimers as antibacterial agents. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14444-5	16.4	103
109	Ophthalmic adhesives: a materials chemistry perspective. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2521		45
108	Synthesis and properties of supramolecular ionic networks. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9648-9	16.4	86
107	Amphiphilic copolymer for delivery of xenobiotics: in vivo studies in a freshwater invertebrate, a Mesostominae flatworm. <i>Bioconjugate Chemistry</i> , 2008 , 19, 891-8	6.3	11
106	Hydrogels for osteochondral repair based on photocrosslinkable carbamate dendrimers. <i>Biomacromolecules</i> , 2008 , 9, 2863-72	6.9	65
105	Real time imaging of supramolecular assembly formation via programmed nucleolipid recognition. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14454-5	16.4	21

104	Applications of dendrimers in tissue engineering. <i>Current Topics in Medicinal Chemistry</i> , 2008 , 8, 1225-363		82
103	Dendritic macromers for hydrogel formation: Tailored materials for ophthalmic, orthopedic, and biotech applications. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 383-400	2.5	57
102	Enzymatic release of a surface-adsorbed RGD therapeutic from a cleavable peptide anchor. <i>ChemMedChem</i> , 2008 , 3, 1645-8	3.7	9
101	Two-dimensional self-assembly and complementary base-pairing between amphiphile nucleotides on graphite. <i>Journal of Colloid and Interface Science</i> , 2008 , 323, 435-40	9.3	24
100	A new helper phospholipid for gene delivery. <i>Chemical Communications</i> , 2008 , 1566-8	5.8	25
99	Lipophilic peptides for gene delivery. <i>Bioconjugate Chemistry</i> , 2008 , 19, 418-20	6.3	42
98	Therapeutic and diagnostic applications of dendrimers for cancer treatment. <i>Advanced Drug Delivery Reviews</i> , 2008 , 60, 1037-55	18.5	432
97	Conducting Polymer Nanopatterns 2008 , 954-964		
96	Photo cross-linkable Biodendrimers as ophthalmic adhesives for central lacerations and penetrating keratoplasties. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 2037-42		45
95	Immobilized hydrogels for screening of molecular interactions. <i>Analytical Chemistry</i> , 2007 , 79, 1064-6	7.8	24
94	Poly(carbonate ester)s Based on Units of 6-Hydroxyhexanoic Acid and Glycerol. <i>Macromolecules</i> , 2007 , 40, 7065-7068	5.5	51
93	Endothelialization of Titanium Surfaces. <i>Advanced Materials</i> , 2007 , 19, 2492-2498	24	43
92	Designing hydrogel adhesives for corneal wound repair. <i>Biomaterials</i> , 2007 , 28, 5205-14	15.6	134
91	Nanostructured assemblies from nucleotide-based amphiphiles. <i>New Journal of Chemistry</i> , 2007 , 31, 1928	3.6	28
90	In situ polymerized hydrogels for repairing scleral incisions used in pars plana vitrectomy procedures. <i>ChemMedChem</i> , 2006 , 1, 821-5	3.7	22
89	Non-viral charge reversal vectors for pDNA delivery. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 4347-9		1
88	Probing the electronic structure of platinum(II) chromophores: crystal structures, NMR structures, and photophysical properties of six new bis- and di- phenolate/thiolate Pt(II)diimine chromophores. <i>Inorganic Chemistry</i> , 2006 , 45, 4544-55	5.1	89
87	Synthesis and Characterization of Bola-Type Amphiphilic Dendritic Macromolecules. <i>Macromolecules</i> , 2006 , 39, 8952-8958	5.5	21

86	Self-assembled microspheres from f-block elements and nucleoamphiphiles. <i>Chemical Communications</i> , 2006 , 1661-3	5.8	15
85	Synthesis of Generational Polyester Dendrimers Derived from Glycerol and Succinic or Adipic Acid. <i>Macromolecules</i> , 2006 , 39, 609-616	5.5	63
84	Cationic nucleoside lipids for gene delivery. <i>Bioconjugate Chemistry</i> , 2006 , 17, 466-72	6.3	97
83	Hydrogels formed by multiple peptide ligation reactions to fasten corneal transplants. <i>Bioconjugate Chemistry</i> , 2006 , 17, 873-6	6.3	74
82	Dendrimer-encapsulated camptothecins: increased solubility, cellular uptake, and cellular retention affords enhanced anticancer activity in vitro. <i>Cancer Research</i> , 2006 , 66, 11913-21	10.1	262
81	Peptide-PEG amphiphiles as cytophobic coatings for mammalian and bacterial cells. <i>Chemistry and Biology</i> , 2006 , 13, 695-700		36
80	A fluorocarbon nucleoamphiphile for the construction of actinide loaded microspheres. <i>Tetrahedron Letters</i> , 2006 , 47, 7117-7120	2	17
79	Biodendrimer-based hydrogel scaffolds for cartilage tissue repair. <i>Biomacromolecules</i> , 2006 , 7, 310-6	6.9	185
78	Charge-resersible lipids for DNA delivery. <i>FASEB Journal</i> , 2006 , 20, A73	0.9	
77	Vesicle formation from a synthetic adenosine based lipid. <i>Tetrahedron Letters</i> , 2005 , 46, 1593-1596	2	24
76	Supramolecular assemblies of DNA with neutral nucleoside amphiphiles. <i>Chemical Communications</i> , 2005 , 1261-3	5.8	27
75	Dendritic supramolecular assemblies for drug delivery. <i>Chemical Communications</i> , 2005 , 4309-11	5.8	50
74	Nucleic acid complexing glycosyl nucleoside-based amphiphile. <i>Bioconjugate Chemistry</i> , 2005 , 16, 864-726.3		44
73	Synthesis and aqueous aggregation properties of amphiphilic surface-block dendrimers. <i>Organic Letters</i> , 2005 , 7, 4863-6	6.2	41
72	Novel tissue adhesives to secure laser in situ keratomileusis flaps. <i>Journal of Cataract and Refractive Surgery</i> , 2005 , 31, 1208-12	2.3	27
71	Nucleoside phosphocholine amphiphile for in vitro DNA transfection. <i>Molecular BioSystems</i> , 2005 , 1, 260-4		35
70	Supramolecular assemblies with DNA* (Special Topic Article). <i>Pure and Applied Chemistry</i> , 2005 , 77, 2133-2148	2.0	20
69	Designer Materials for Nucleic Acid Delivery. <i>MRS Bulletin</i> , 2005 , 30, 635-639	3.2	17

68	New dendritic adhesives for sutureless ophthalmic surgical procedures: in vitro studies of corneal laceration repair. <i>JAMA Ophthalmology</i> , 2004 , 122, 867-70		72
67	Photocrosslinkable hyaluronan as a scaffold for articular cartilage repair. <i>Annals of Biomedical Engineering</i> , 2004 , 32, 391-7	4.7	176
66	Conformationally gated electrochemical gene detection. <i>ChemBioChem</i> , 2004 , 5, 1100-3	3.8	86
65	Dendritic macromers as in situ polymerizing biomaterials for securing cataract incisions. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12744-5	16.4	107
64	Dendritic polymers composed of glycerol and succinic acid: Synthetic methodologies and medical applications. <i>Pure and Applied Chemistry</i> , 2004 , 76, 1375-1385	2.1	48
63	Supramolecular assemblies of nucleoside phosphocholine amphiphiles. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7533-9	16.4	121
62	DNA-PEG-DNA triblock macromolecules for reagentless DNA detection. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10814-5	16.4	162
61	Charge-reversal amphiphiles for gene delivery. <i>Journal of the American Chemical Society</i> , 2004 , 126, 12196-7	16.4	104
60	Engineering porcine arteries: effects of scaffold modification. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 67, 303-11		20
59	The convergent synthesis of poly(glycerol-succinic acid) dendritic macromolecules. <i>Chemistry - A European Journal</i> , 2003 , 9, 5618-26	4.8	34
58	Intramolecular electrocatalysis of 8-oxo-guanine oxidation: secondary structure control of electron transfer in osmium-labeled oligonucleotides. <i>Inorganic Chemistry</i> , 2003 , 42, 6379-87	5.1	19
57	Dendritic molecular capsules for hydrophobic compounds. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15485-9	16.4	217
56	Polycarbonate and Poly(carbonate-ester)s Synthesized from Biocompatible Building Blocks of Glycerol and Lactic Acid. <i>Macromolecules</i> , 2003 , 36, 3557-3562	5.5	93
55	Biodendrimers: New Polymeric Biomaterials for Tissue Engineering. <i>Chemistry - A European Journal</i> , 2002 , 8, 2838	4.8	131
54	Synthesis and characterization of a dianionic carbohydrate-based phospholipid. <i>Chemistry and Physics of Lipids</i> , 2002 , 120, 1-7	3.7	2
53	A photopolymerized sealant for corneal lacerations. <i>Cornea</i> , 2002 , 21, 393-9	3.1	64
52	Nucleobase and 5' terminal probes for DNA redox chemistry. <i>Methods in Enzymology</i> , 2002 , 353, 548-66	1.7	3
51	Synthesis and characterization of phenothiazine labeled oligodeoxynucleotides: novel 2'-deoxyadenosine and thymidine probes for labeling DNA. <i>Bioconjugate Chemistry</i> , 2002 , 13, 83-9	6.3	10

50	Hybrid dendritic-linear polyester-ethers for in situ photopolymerization. <i>Journal of the American Chemical Society</i> , 2002 , 124, 5291-3	16.4	146
49	Synthesis and characterization of pi-stacked phenothiazine-labeled oligodeoxynucleotides. <i>Organic Letters</i> , 2002 , 4, 4571-4	6.2	21
48	Direct-writing of polymer nanostructures: poly(thiophene) nanowires on semiconducting and insulating surfaces. <i>Journal of the American Chemical Society</i> , 2002 , 124, 522-3	16.4	288
47	Synthesis and characterization of carbohydrate-based phospholipids. <i>Journal of the American Chemical Society</i> , 2002 , 124, 5983-92	16.4	11
46	Biodendrimers: new polymeric biomaterials for tissue engineering. <i>Chemistry - A European Journal</i> , 2002 , 8, 2839-46	4.8	29
45	Synthesis and characterization of ferrocene-labeled oligodeoxynucleotides. <i>Journal of Organometallic Chemistry</i> , 2001 , 637-639, 398-406	2.3	31
44	Photocrosslinkable polysaccharides for in situ hydrogel formation. <i>Journal of Biomedical Materials Research Part B</i> , 2001 , 54, 115-21		355
43	Synthesis and Characterization of Poly(glycerol succinic acid) Dendrimers. <i>Macromolecules</i> , 2001 , 34, 7648-7655	5.5	86
42	Synthesis and characterization of polyether-ester dendrimers from glycerol and lactic acid. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2905-6	16.4	90
41	Site-Specifically Labeled Metallo-Oligodeoxynucleotides. <i>Comments on Inorganic Chemistry</i> , 2000 , 22, 105-127	3.9	14
40	Synthesis and stability of oligodeoxynucleotides containing C8-labeled 2Qdeoxyadenosine: novel redox nucleobase probes for DNA-mediated charge-transfer studies. <i>Organic Letters</i> , 2000 , 2, 3413-6	6.2	36
39	Synthesis and characterization of fluorenone-, anthraquinone-, and phenothiazine-labeled oligodeoxynucleotides: 5Qprobes for DNA redox chemistry. <i>Journal of Organic Chemistry</i> , 2000 , 65, 5355-9 ²	4.2	83
38	On-column derivatization of oligodeoxynucleotides with ferrocene. <i>Chemical Communications</i> , 2000 , 509-510	5.8	28
37	Supramolecular Structures of Novel Carbohydrate-Based Phospholipids. <i>Journal of the American Chemical Society</i> , 2000 , 122, 8097-8098	16.4	13
36	Photoinduced Electron Transfer in an Oligodeoxynucleotide Duplex: Observation of the Electron-Transfer Intermediate. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 7574-7576	3.4	34
35	Automated solid-phase synthesis and photophysical properties of oligodeoxynucleotides labeled at 5Qaminothymidine with Ru(bpy) ₂ (4-m-4Qcam-bpy) ₂ ⁺ . <i>Inorganic Chemistry</i> , 2000 , 39, 2500-4	5.1	24
34	Wie bewegen sich Ladungen durch DNA? Ein Zwischenbericht. <i>Angewandte Chemie</i> , 1999 , 111, 3845-3853	16	10
33	How Do Charges Travel through DNA?-An Update on a Current Debate. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 3629-3635	16.4	99

32	SYNTHESIS OF A NOVEL POLYSACCHARIDE HYDROGEL. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1999 , 36, 981-989	2.2	9
31	Automated Solid-Phase DNA Synthesis and Photophysical Properties of Oligonucleotides Labeled at the 5' Terminus with Ru(bpy) ₃ ²⁺ . <i>Inorganic Chemistry</i> , 1999 , 38, 3922-3925	5.1	27
30	Palladium(0)-Catalyzed Modification of Oligonucleotides during Automated Solid-Phase Synthesis. <i>Journal of the American Chemical Society</i> , 1999 , 121, 4704-4705	16.4	90
29	Automated Solid-Phase Synthesis of Site-Specifically Labeled Ruthenium-Oligonucleotides. <i>Inorganic Chemistry</i> , 1999 , 38, 418-419	5.1	50
28	The Alkylation of Iodouridine by a Heterogeneous Palladium Catalyst. <i>Journal of Organic Chemistry</i> , 1999 , 64, 1077-1078	4.2	26
27	Synthesis and Excited-State Properties of a Novel Ruthenium Nucleoside: 5-[Ru(bpy) ₂ (4-m-4'pa-bpy)] ²⁺ -2-Deoxyuridine. <i>Inorganic Chemistry</i> , 1999 , 38, 2411-2415	5.1	35
26	Solid-Phase Synthesis and Photophysical Properties of DNA Labeled at the Nucleobase with Ru(bpy) ₂ (2)(4-m-4'pa-bpy) ²⁺ . <i>Inorganic Chemistry</i> , 1999 , 38, 5999-6002	5.1	30
25	On the Second-Order Nonlinear Optical Structure-Property Relationships of Metal Chromophores. <i>Inorganic Chemistry</i> , 1999 , 38, 287-289	5.1	60
24	SYNTHESIS OF A NOVEL POLYSACCHARIDE HYDROGEL. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1999 , 36, 981-989	2.2	48
23	A facile and convenient solid-phase procedure for synthesizing nucleoside hydroxamic acids. <i>Tetrahedron Letters</i> , 1998 , 39, 8031-8034	2	24
22	Generation of an Unprecedented Excited State Oxidant in a Coordinately Unsaturated Platinum Complex. <i>Inorganic Chemistry</i> , 1998 , 37, 1432-1433	5.1	55
21	Electrophilic Aromatic Substitution. 13.(1) Kinetics and Spectroscopy of the Chloromethylation of Benzene and Toluene with Methoxyacetyl Chloride or Chloromethyl Methyl Ether and Aluminum Chloride in Nitromethane or Tin Tetrachloride in Dichloromethane. The Methoxymethyl Cation as a Possible Intermediate. <i>Journal of Organic Chemistry</i> , 1997 , 62, 2414-2422	4.2	13
20	How do electronegative substituents make metal complexes better catalysts for the oxidation of hydrocarbons by dioxygen?. <i>Journal of Molecular Catalysis A</i> , 1997 , 117, 229-242		46
19	The measurement of temperature with electron paramagnetic resonance spectroscopy. <i>Journal of Biomechanical Engineering</i> , 1996 , 118, 193-200	2.1	28
18	Aerobic oxidation of hydrocarbons catalyzed by electronegative iron salen complexes. <i>Journal of Molecular Catalysis A</i> , 1996 , 113, 191-200		76
17	On the mechanism of catalytic alkene oxidation by molecular oxygen and halogenated iron porphyrins. <i>Journal of Molecular Catalysis A</i> , 1995 , 104, L119-L122		54
16	¹⁹ F NMR Spectra and Structures of Halogenated Porphyrins. <i>Inorganic Chemistry</i> , 1995 , 34, 3625-3632	5.1	94
15	Structures, Electronic Properties, and Oxidation-Reduction Reactivity of Halogenated Iron Porphyrins. <i>Inorganic Chemistry</i> , 1995 , 34, 4896-4902	5.1	118

14	Mechanism of catalytic oxygenation of alkanes by halogenated iron porphyrins. <i>Science</i> , 1994 , 264, 1311-1313	3.3	282
13	Characterization of sonochemically prepared proteinaceous microspheres. <i>Ultrasonics Sonochemistry</i> , 1994 , 1, S65-S68	8.9	98
12	Electron transfer in cytochrome c depends upon the structure of the intervening medium. <i>Structure</i> , 1994 , 2, 415-22	5.2	44
11	In vivo measurement of oxygen concentration using sonochemically synthesized microspheres. <i>Biophysical Journal</i> , 1994 , 67, 896-901	2.9	77
10	Sonoluminescence from metal carbonyls. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 3098-3099		57
9	Magnetic properties of amorphous iron. <i>Physical Review B</i> , 1993 , 48, 269-273	3.3	135
8	Neutron diffraction on amorphous iron powder. <i>Physical Review B</i> , 1993 , 48, 15797-15800	3.3	46
7	Proteinaceous Microspheres. <i>ACS Symposium Series</i> , 1992 , 218-226	0.4	7
6	Effect of cavitation conditions on amorphous metal synthesis. <i>Ultrasonics</i> , 1992 , 30, 168-172	3.5	90
5	Air-filled proteinaceous microbubbles: synthesis of an echo-contrast agent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 7708-10	11.5	187
4	Sonochemical synthesis of amorphous iron. <i>Nature</i> , 1991 , 353, 414-416	50.4	1037
3	Protein microencapsulation of nonaqueous liquids. <i>Journal of the American Chemical Society</i> , 1990 , 112, 7807-7809	16.4	240
2	Recapitulating bone development for tissue regeneration through engineered mesenchymal condensations and mechanical cues		1
1	Aqueous ROPISA of amino acid N-carboxyanhydrides: polypeptide block secondary structure controls nanoparticle shape anisotropy. <i>Polymer Chemistry</i> ,	4.9	5