

# Rainer Haag

## 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.

580  
papers

25,274  
citations

75  
h-index

135  
g-index

618  
ext. papers

28,135  
ext. citations

8  
avg, IF

7.4  
L-index

#	Paper	IF	Citations
580	Dendritic Polyglycerol Amine: An Enhanced Substrate to Support Long-Term Neural Cell Culture.. <i>ASN Neuro</i> , <b>2022</b> , 14, 17590914211073276	5.3	2
579	Dendritic Polyglycerol-Conjugated Gold Nanostars for Metabolism Inhibition and Targeted Photothermal Therapy in Breast Cancer Stem Cells.. <i>Advanced Healthcare Materials</i> , <b>2022</b> , e2102272	10.1	3
578	Optimization of Long-Term Human iPSC-Derived Spinal Motor Neuron Culture Using a Dendritic Polyglycerol Amine-Based Substrate.. <i>ASN Neuro</i> , <b>2022</b> , 14, 17590914211073381	5.3	2
577	Charge Matters: Mutations in Omicron variant favor Binding to Cells.. <i>ChemBioChem</i> , <b>2022</b> , e202100681	3.8	6
576	Scaffold Flexibility Controls Binding of Herpes Simplex Virus Type 1 with Sulfated Dendritic Polyglycerol Hydrogels Fabricated by Thiol-Maleimide Click Reaction.. <i>Macromolecular Bioscience</i> , <b>2022</b> , e2100507	5.5	
575	MIF does only marginally enhance the pro-regenerative capacities of DFO in a mouse-osteotomy-model of compromised bone healing conditions. <i>Bone</i> , <b>2022</b> , 154, 116247	4.7	1
574	Supramolecular Engineering of Alkylated, Fluorinated, and Mixed Amphiphiles.. <i>Macromolecular Rapid Communications</i> , <b>2022</b> , e2100914	4.8	1
573	Hydroquinone-functionalized cyanine dye as reduction-sensitive probe for imaging of biological reducing species. <i>Dyes and Pigments</i> , <b>2022</b> , 201, 110198	4.6	0
572	Photocatalytic Quantum Dot-Armed Bacteriophage for Combating Drug-Resistant Bacterial Infection.. <i>Advanced Science</i> , <b>2022</b> , e2105668	13.6	0
571	Design of therapeutic biomaterials to control inflammation.. <i>Nature Reviews Materials</i> , <b>2022</b> , 1-18	73.3	16
570	Novel Adhesive Nanocarriers Based on Mussel-Inspired Polyglycerols for the Application onto Mucosal Tissues. <i>Pharmaceutics</i> , <b>2022</b> , 14, 940	6.4	
569	Non-ionic hybrid detergents for protein delipidation.. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2022</b> , 183958	3.8	1
568	Structure and Dynamics of Supramolecular Polymers: Wait and See.. <i>ACS Macro Letters</i> , <b>2022</b> , 11, 711-715	6	0
567	"Raspberry" Hierarchical Topographic Features Regulate Human Mesenchymal Stem Cell Adhesion and Differentiation via Enhanced Mechanosensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 54840-54849	9.5	2
566	Chemically defined stem cell microniche engineering by microfluidics compatible with iPSCs' growth in 3D culture. <i>Biomaterials</i> , <b>2021</b> , 280, 121253	15.6	0
565	Hydrophobicity of Self-Assembled Monolayers of Alkanes: Fluorination, Density, Roughness, and Lennard-Jones Cutoffs. <i>Langmuir</i> , <b>2021</b> , 37, 13846-13858	4	1
564	A Nanohook-Equipped Bionanocatalyst for Localized Near-Infrared-Enhanced Catalytic Bacterial Disinfection. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	7

563	An intelligent cell-selective polymersome-DM1 nanotoxin toward triple negative breast cancer. <i>Journal of Controlled Release</i> , <b>2021</b> , 340, 331-341	11.7	3
562	One-pot gram-scale synthesis of virucidal heparin-mimicking polymers as HSV-1 inhibitors. <i>Chemical Communications</i> , <b>2021</b> , 57, 11948-11951	5.8	1
561	Topical Delivery of Rapamycin by Means of Microenvironment-Sensitive Core-Multi-Shell Nanocarriers: Assessment of Anti-Inflammatory Activity in an ex vivo Skin/T Cell Co-Culture Model. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 7137-7151	7.3	0
560	Inhibition of SARS-CoV-2 Replication by a Small Interfering RNA Targeting the Leader Sequence. <i>Viruses</i> , <b>2021</b> , 13,	6.2	7
559	Molecular Insights into Site-Specific Interferon- $\alpha$ Bioconjugates Originated from PEG, LPG, and PEOx. <i>Biomacromolecules</i> , <b>2021</b> , 22, 4521-4534	6.9	4
558	Inhibition of Herpes Simplex Virus Type 1 Attachment and Infection by Sulfated Polyglycerols with Different Architectures. <i>Biomacromolecules</i> , <b>2021</b> , 22, 1545-1554	6.9	9
557	Graphene-Assisted Synthesis of 2D Polyglycerols as Innovative Platforms for Multivalent Virus Interactions. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009003	15.6	3
556	Responsive Emulsions for Sequential Multienzyme Cascades. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 8491-8495	3.6	0
555	Oxidation-Sensitive Core-Multishell Nanocarriers for the Controlled Delivery of Hydrophobic Drugs. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 2485-2495	5.5	3
554	Characterization of an ester-based core-multishell (CMS) nanocarrier for the topical application at the oral mucosa. <i>Clinical Oral Investigations</i> , <b>2021</b> , 25, 5795-5805	4.2	3
553	Polyglycerol for Half-Life Extension of Proteins-Alternative to PEGylation?. <i>Biomacromolecules</i> , <b>2021</b> , 22, 1406-1416	6.9	7
552	Automated Solvent-Free Polymerization of Hyperbranched Polyglycerol with Tailored Molecular Weight by Online Torque Detection. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2000688	3.9	4
551	Wrapping and Blocking of Influenza A Viruses by Sialylated 2D Nanoplatfoms. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100285	4.6	5
550	Hydrogels and Their Role in Biosensing Applications. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100062	10.1	34
549	Well-Defined Nanostructured Biointerfaces: Strengthened Cellular Interaction for Circulating Tumor Cells Isolation. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2002202	10.1	1
548	Biodegradable Dendritic Polyglycerol Sulfate for the Delivery and Tumor Accumulation of Cytostatic Anticancer Drugs. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 2569-2579	5.5	1
547	Polysulfate hemmen durch elektrostatische Wechselwirkungen die SARS-CoV-2-Infektion**. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 16005-16014	3.6	
546	Amphiphilic Co-polypeptides Self-Assembled into Spherical Nanoparticles for Dermal Drug Delivery. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 6709-6721	5.6	2

545	Toolbox of Biodegradable Dendritic (Poly glycerol sulfate)-SS-poly(ester) Micelles for Cancer Treatment: Stability, Drug Release, and Tumor Targeting. <i>Biomacromolecules</i> , <b>2021</b> , 22, 2625-2640	6.9	2
544	Polysulfates Block SARS-CoV-2 Uptake through Electrostatic Interactions*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 15870-15878	16.4	14
543	Functional Surfactants for Molecular Fishing, Capsule Creation, and Single-Cell Gene Expression. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 147	19.5	4
542	Biocatalytic Nanomaterials: A New Pathway for Bacterial Disinfection. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100637	24	34
541	Prolonged activity of exenatide: Detailed comparison of Site-specific linear polyglycerol- and poly(ethylene glycol)-conjugates. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2021</b> , 164, 105-113	5.7	0
540	Wechselwirkung von Polyelektrolyt-Architekturen mit Proteinen und Biosystemen. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 3926-3950	3.6	3
539	Understanding the Interaction of Polyelectrolyte Architectures with Proteins and Biosystems. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 3882-3904	16.4	21
538	Mussel-inspired multifunctional coating for bacterial infection prevention and osteogenic induction. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 68, 160-171	9.1	2
537	Tumor Microenvironment-Activatable Nanoenzymes for Mechanical Remodeling of Extracellular Matrix and Enhanced Tumor Chemotherapy. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007544	15.6	9
536	Dendritic Oligoglycerol Regioisomer Mixtures and Their Utility for Membrane Protein Research. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 2537-2542	4.8	7
535	Actively targeted nanomedicines for precision cancer therapy: Concept, construction, challenges and clinical translation. <i>Journal of Controlled Release</i> , <b>2021</b> , 329, 676-695	11.7	30
534	Novel dendritic polyglycerol-conjugated, mesoporous silica-based targeting nanocarriers for co-delivery of doxorubicin and tariquidar to overcome multidrug resistance in breast cancer stem cells. <i>Journal of Controlled Release</i> , <b>2021</b> , 330, 1106-1117	11.7	16
533	A Cyanine-Bridged Somatostatin Hybrid Probe for Multimodal SSTR2 Imaging in Vitro and in Vivo: Synthesis and Evaluation. <i>ChemBioChem</i> , <b>2021</b> , 22, 1307-1315	3.8	2
532	Transcriptomic analysis of stress response to novel antimicrobial coatings in a clinical MRSA strain. <i>Materials Science and Engineering C</i> , <b>2021</b> , 119, 111578	8.3	3
531	Supramolecular polymerization of sulfated dendritic peptide amphiphiles into multivalent L-selectin binders. <i>Beilstein Journal of Organic Chemistry</i> , <b>2021</b> , 17, 97-104	2.5	
530	Heteromultivalent topology-matched nanostructures as potent and broad-spectrum influenza A virus inhibitors. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	13
529	Linear triglycerol-based fluorosurfactants show high potential for droplet-microfluidics-based biochemical assays. <i>Soft Matter</i> , <b>2021</b> , 17, 7260-7267	3.6	2
528	Graphene Sheets with Defined Dual Functionalities for the Strong SARS-CoV-2 Interactions. <i>Small</i> , <b>2021</b> , 17, e2007091	11	23

527	Particle Diffusivity and Free-Energy Profiles in Hydrogels from Time-Resolved Penetration Data. <i>Biophysical Journal</i> , <b>2021</b> , 120, 463-475	2.9	4
526	Multivalent Polyanionic 2D Nanosheets Functionalized Nanofibrous Stem Cell-based Neural Scaffolds. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010145	15.6	4
525	Responsive Emulsions for Sequential Multienzyme Cascades. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 8410-8414	16.4	10
524	Newer Non-ionic A B -Type Enzyme-Responsive Amphiphiles for Drug Delivery. <i>ChemMedChem</i> , <b>2021</b> , 16, 1457-1466	3.7	3
523	Thermoresponsive Hydrogels as Microniches for Growth and Controlled Release of Induced Pluripotent Stem Cells. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010630	15.6	2
522	Retinoic Acid-Loaded Dendritic Polyglycerol-Conjugated Gold Nanostars for Targeted Photothermal Therapy in Breast Cancer Stem Cells. <i>ACS Nano</i> , <b>2021</b> , 15, 15069-15084	16.7	8
521	Co-Delivery of Doxorubicin and Chloroquine by Polyglycerol Functionalized MoS <sub>2</sub> Nanosheets for Efficient Multidrug-Resistant Cancer Therapy. <i>Macromolecular Bioscience</i> , <b>2021</b> , 21, e2100233	5.5	0
520	Evaluation of Multivalent Sialylated Polyglycerols for Resistance Induction in and Broad Antiviral Activity against Influenza A Viruses. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 12774-12789	8.3	1
519	Daratumumab Immunopolymersome-Enabled Safe and CD38-Targeted Chemotherapy and Depletion of Multiple Myeloma. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007787	24	3
518	Aggregation of Amphiphilic Carbocyanines: Fluorination Favors Cylindrical Micelles over Bilayered Tubes. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 10538-10550	3.4	1
517	In vitro efficacy of Artemisia extracts against SARS-CoV-2. <i>Virology Journal</i> , <b>2021</b> , 18, 182	6.1	10
516	Polyglycerol-Based Mucus-Inspired Hydrogels. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e21003038	13.8	2
515	Surface-Initiated Grafting of Dendritic Polyglycerol from Mussel-Inspired Adhesion-Layers for the Creation of Cell-Repelling Coatings. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000931	4.6	1
514	Bioinspired Confinement of Upconversion Nanoparticles for Improved Performance in Aqueous Solution. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 28623-28635	3.8	4
513	Nanotherapeutic Modulation of Human Neural Cells and Glioblastoma in Organoids and Monocultures. <i>Cells</i> , <b>2020</b> , 9,	7.9	4
512	Nanocrystals for Improved Drug Delivery of Dexamethasone in Skin Investigated by EPR Spectroscopy. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	8
511	Topology-Matching Design of an Influenza-Neutralizing Spiky Nanoparticle-Based Inhibitor with a Dual Mode of Action. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15532-15536	16.4	16
510	Protein Aggregation Nucleated by Functionalized Dendritic Polyglycerols.. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 3849-3862	4.9	4

509	Quantification of Multivalent Interactions between Sialic Acid and Influenza A Virus Spike Proteins by Single-Molecule Force Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 12181-12192	16.4	20
508	Ligand Diffusion Enables Force-Independent Cell Adhesion via Activating $\beta 1$ Integrin and Initiating Rac and RhoA Signaling. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002566	24	26
507	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 12517-12522	3.6	4
506	Reverse design of an influenza neutralizing spiky nano-inhibitor with a dual mode of action. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15662	3.6	6
505	Reusable biopolymer based heavy metal filter as plant protection for phytoremediation. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 101005	7	3
504	Spiky Nanostructures with Geometry-matching Topography for Virus Inhibition. <i>Nano Letters</i> , <b>2020</b> , 20, 5367-5375	11.5	23
503	Multivalent Bacteria Binding by Flexible Polycationic Microsheets Matching Their Surface Charge Density. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 1902066	4.6	4
502	Non-ionic PEG-oligoglycerol dendron conjugated nano-carriers for dermal drug delivery. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 580, 119212	6.5	4
501	A new azobenzene-based design strategy for detergents in membrane protein research. <i>Chemical Science</i> , <b>2020</b> , 11, 3538-3546	9.4	10
500	Self-degrading graphene sheets for tumor therapy. <i>Nanoscale</i> , <b>2020</b> , 12, 14222-14229	7.7	12
499	Synthesis of pH-degradable polyglycerol-based nanogels by iEDDA-mediated crosslinking for encapsulation of asparaginase using inverse nanoprecipitation. <i>Colloid and Polymer Science</i> , <b>2020</b> , 298, 719-733	2.4	3
498	Graphene Oxide-Cyclic R10 Peptide Nuclear Translocation Nanoplatfoms for the Surmounting of Multiple-Drug Resistance. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000933	15.6	19
497	Polymersome Formation by Amphiphilic Polyglycerol--polydisulfide--polyglycerol and Glutathione-Triggered Intracellular Drug Delivery. <i>Biomacromolecules</i> , <b>2020</b> , 21, 3353-3363	6.9	14
496	Metal-Assisted and Solvent-Mediated Synthesis of Two-Dimensional Triazine Structures on Gram Scale. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 12976-12986	16.4	12
495	Reversible Photothermal Homogenization of Fluorous Biphasic Systems with Perfluoroalkylated Nanographene. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 1139-1146	5.6	1
494	Double trouble for viruses: a hydrogel nanocomposite catches the influenza virus while shrinking and changing color. <i>Chemical Communications</i> , <b>2020</b> , 56, 3547-3550	5.8	13
493	Surface Roughness Gradients Reveal Topography-Specific Mechanosensitive Responses in Human Mesenchymal Stem Cells. <i>Small</i> , <b>2020</b> , 16, e1905422	11	64
492	Fabrication of oligo-glycerol based hydrolase responsive amphiphilic nanocarriers. <i>Polymers for Advanced Technologies</i> , <b>2020</b> , 31, 1208-1217	3.2	7

491	Stereochemistry-Controlled Supramolecular Architectures of New Tetrahydroxy-Functionalised Amphiphilic Carbocyanine Dyes. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6919-6934	4.8	2
490	Redox-Responsive Nanocarrier for Controlled Release of Drugs in Inflammatory Skin Diseases. <i>Pharmaceutics</i> , <b>2020</b> , 13,	6.4	5
489	Faster, sharper, more precise: Automated Cluster-FLIM in preclinical testing directly identifies the intracellular fate of theranostics in live cells and tissue. <i>Theranostics</i> , <b>2020</b> , 10, 6322-6336	12.1	12
488	Titanium coating with mussel inspired polymer and bio-orthogonal chemistry enhances antimicrobial activity against Staphylococcus aureus. <i>Materials Science and Engineering C</i> , <b>2020</b> , 116, 111109	8.39	8
487	Modular detergents tailor the purification and structural analysis of membrane proteins including G-protein coupled receptors. <i>Nature Communications</i> , <b>2020</b> , 11, 564	17.4	36
486	Oligo-glycerol based non-ionic amphiphilic nanocarriers for lipase mediated controlled drug release.. <i>RSC Advances</i> , <b>2020</b> , 10, 37555-37563	3.7	5
485	Interaction of Human Mesenchymal Stem Cells with Soft Nanocomposite Hydrogels Based on Polyethylene Glycol and Dendritic Polyglycerol. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1905200	15.6	15
484	Active Targeting of Dendritic Polyglycerols for Diagnostic Cancer Imaging. <i>Small</i> , <b>2020</b> , 16, e1905013	11	10
483	Surface Roughness and Substrate Stiffness Synergize To Drive Cellular Mechanoresponse. <i>Nano Letters</i> , <b>2020</b> , 20, 748-757	11.5	58
482	Systematic Screening of Different Polyglycerin-Based Dienophile Macromonomers for Efficient Nanogel Formation through IEDDA Inverse Nanoprecipitation. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e1900510	4.8	5
481	Serine Protease-Mediated Cutaneous Inflammation: Characterization of an Ex Vivo Skin Model for the Assessment of Dexamethasone-Loaded Core Multishell-Nanocarriers. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	4
480	The Application of Dual-Layer, Mussel-Inspired, Antifouling Polyglycerol-Based Coatings in Ventricular Assist Devices. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000272	4.6	2
479	Stimuli-responsive non-ionic Gemini amphiphiles for drug delivery applications. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 6772-6782	4.9	7
478	Chemoenzymatic Synthesis of -Glucitol-Based Non-Ionic Amphiphilic Architectures as Nanocarriers. <i>Polymers</i> , <b>2020</b> , 12,	4.5	3
477	Self-Strengthening Adhesive Force Promotes Cell Mechanotransduction. <i>Advanced Materials</i> , <b>2020</b> , 32, e2006986	24	19
476	Dendritic polyglycerol-conjugated gold nanostars with different densities of functional groups to regulate osteogenesis in human mesenchymal stem cells. <i>Nanoscale</i> , <b>2020</b> , 12, 24006-24019	7.7	3
475	Synthesis of a Cylindrical Micelle from Hydrophilic Polymers Connected with a Single Supramolecular Structure-Directing Unit. <i>Macromolecules</i> , <b>2020</b> , 53, 7044-7052	5.5	5
474	Novel Antimicrobial Cellulose Fleece Inhibits Growth of Human-Derived Biofilm-Forming Staphylococci During the SIRIUS19 Simulated Space Mission. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1626	5.7	3

473	Mucin-Inspired, High Molecular Weight Virus Binding Inhibitors Show Biphasic Binding Behavior to Influenza A Viruses. <i>Small</i> , <b>2020</b> , 16, e2004635	11	9
472	Exploring hydrophobic diastereomeric 2,6-anhydro-glycoheptitols for their enzymatic polymerization with PEG: towards delivery applications. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 15369-15373	3.6	0
471	ZnO/Nanocarbons-Modified Fibrous Scaffolds for Stem Cell-Based Osteogenic Differentiation. <i>Small</i> , <b>2020</b> , 16, e2003010	11	28
470	Supramolecular Double Helices from Small C-Symmetrical Molecules Aggregated in Water. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17644-17652	16.4	15
469	Living whole-cell catalysis in compartmentalized emulsion. <i>Bioresource Technology</i> , <b>2020</b> , 295, 122221	11	5
468	Adaptive Flexible Sialylated Nanogels as Highly Potent Influenza A Virus Inhibitors. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 12417-12422	16.4	22
467	Sulfated Dendritic Polyglycerol Is a Potent Complement Inhibitor. <i>Biomacromolecules</i> , <b>2019</b> , 20, 3809-3818	11	6
466	Synthesis and comparison of linear and hyperbranched multivalent glycosides for C-type lectin binding. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 16012-16016	3.6	2
465	Photoswitchable single-walled carbon nanotubes for super-resolution microscopy in the near-infrared. <i>Science Advances</i> , <b>2019</b> , 5, eaax1166	14.3	24
464	Dendronized fluorosurfactant for highly stable water-in-fluorinated oil emulsions with minimal inter-droplet transfer of small molecules. <i>Nature Communications</i> , <b>2019</b> , 10, 4546	17.4	52
463	A multivalent polyanion-dispersed carbon nanotube toward highly bioactive nanostructured fibrous stem cell scaffolds. <i>Applied Materials Today</i> , <b>2019</b> , 16, 518-528	6.6	18
462	Dynamic Mechanics-Modulated Hydrogels to Regulate the Differentiation of Stem-Cell Spheroids in Soft Microniches and Modeling of the Nonlinear Behavior. <i>Small</i> , <b>2019</b> , 15, e1901920	11	30
461	Biospecific Monolayer Coating for Multivalent Capture of Circulating Tumor Cells with High Sensitivity. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808961	15.6	19
460	Dendritic Polyglycerol-Derived Nano-Architectures as Delivery Platforms of Gemcitabine for Pancreatic Cancer. <i>Macromolecular Bioscience</i> , <b>2019</b> , 19, e1900073	5.5	17
459	Metal-Organic-Framework-Derived 2D Carbon Nanosheets for Localized Multiple Bacterial Eradication and Augmented Anti-infective Therapy. <i>Nano Letters</i> , <b>2019</b> , 19, 5885-5896	11.5	90
458	Switchable Solubility of Azobenzene-Based Bolaamphiphiles. <i>ChemPhysChem</i> , <b>2019</b> , 20, 1690-1697	3.2	5
457	Mussel-inspired coatings with tunable wettability, for enhanced antibacterial efficiency and reduced bacterial adhesion. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3438-3445	7.3	24
456	Highly sensitive detection of antibodies in a soft bioactive three-dimensional bioorthogonal hydrogel. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3220-3231	7.3	12



455	One-Pot Synthesis of Poly(glycerol- co-succinic acid) Nanogels for Dermal Delivery. <i>Biomacromolecules</i> , <b>2019</b> , 20, 1867-1875	6.9	14
454	Thermoresponsive Amphiphilic Functionalization of Thermally Reduced Graphene Oxide to Study Graphene/Bacteria Hydrophobic Interactions. <i>Langmuir</i> , <b>2019</b> , 35, 4736-4746	4	36
453	Tailor-Made Core-Multishell Nanocarriers for the Delivery of Cationic Analgesics to Inflamed Tissue. <i>Advanced Therapeutics</i> , <b>2019</b> , 2, 1900007	4.9	2
452	Supramolecular nanogels fabricated via host-guest molecular recognition as penetration enhancer for dermal drug delivery. <i>Journal of Controlled Release</i> , <b>2019</b> , 300, 64-72	11.7	19
451	Core-multishell nanocarriers enhance drug penetration and reach keratinocytes and antigen-presenting cells in intact human skin. <i>Journal of Controlled Release</i> , <b>2019</b> , 299, 138-148	11.7	13
450	Force Spectroscopy Shows Dynamic Binding of Influenza Hemagglutinin and Neuraminidase to Sialic Acid. <i>Biophysical Journal</i> , <b>2019</b> , 116, 1037-1048	2.9	15
449	Expanding the Scope of Reporting Nanoparticles: Sensing of Lipid Phase Transitions and Nanoviscosities in Lipid Membranes. <i>Langmuir</i> , <b>2019</b> , 35, 11422-11434	4	4
448	Functionalized nanographene sheets with high antiviral activity through synergistic electrostatic and hydrophobic interactions. <i>Nanoscale</i> , <b>2019</b> , 11, 15804-15809	7.7	60
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