

Kazunori Kataoka

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.

767
papers

67,071
citations

134
h-index

230
g-index

833
ext. papers

71,840
ext. citations

9
avg, IF

8
L-index

#	Paper	IF	Citations
767	Nanomedicine for Brain Cancer.. <i>Advanced Drug Delivery Reviews</i> , 2022 , 182, 114115	18.5	6
766	Effective mRNA Protection by Poly(l-ornithine) Synergizes with Endosomal Escape Functionality of a Charge-Conversion Polymer toward Maximizing mRNA Introduction Efficiency.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100754	4.8	5
765	Targeted nanomedicine in cisplatin-based cancer therapeutics.. <i>Journal of Controlled Release</i> , 2022 ,	11.7	5
764	Conjugation of glucosylated polymer chains to checkpoint blockade antibodies augments their efficacy and specificity for glioblastoma. <i>Nature Biomedical Engineering</i> , 2021 , 5, 1274-1287	19	4
763	Enzymatically Transformable Polymersome-Based Nanotherapeutics to Eliminate Minimal Relapsable Cancer. <i>Advanced Materials</i> , 2021 , e2105254	24	6
762	Chemo-physical Strategies to Advance the Functionality of Targeted Nanomedicine: The Next Generation. <i>Journal of the American Chemical Society</i> , 2021 , 143, 538-559	16.4	54
761	Cancer-Specific Targeting of Taurine-Upregulated Gene 1 Enhances the Effects of Chemotherapy in Pancreatic Cancer. <i>Cancer Research</i> , 2021 , 81, 1654-1666	10.1	2
760	Treatment of ischemic neuronal death by introducing brain-derived neurotrophic factor mRNA using polyplex nanomicelle. <i>Biomaterials</i> , 2021 , 270, 120681	15.6	17
759	Co-encapsulation of Cas9 mRNA and guide RNA in polyplex micelles enables genome editing in mouse brain. <i>Journal of Controlled Release</i> , 2021 , 332, 260-268	11.7	22
758	Treatment of primary and metastatic breast and pancreatic tumors upon intravenous delivery of a PRDM14-specific chimeric siRNA/nanocarrier complex. <i>International Journal of Cancer</i> , 2021 , 149, 646-656	7.5	2
757	Clinical Translation of Self-Assembled Cancer Nanomedicines. <i>Advanced Therapeutics</i> , 2021 , 4, 2000159	4.9	17
756	Manipulating dynamic tumor vessel permeability to enhance polymeric micelle accumulation. <i>Journal of Controlled Release</i> , 2021 , 329, 63-75	11.7	3
755	Normalizing the Microenvironment Overcomes Vessel Compression and Resistance to Nano-immunotherapy in Breast Cancer Lung Metastasis. <i>Advanced Science</i> , 2021 , 8, 2001917	13.6	16
754	Supramolecularly enabled pH- triggered drug action at tumor microenvironment potentiates nanomedicine efficacy against glioblastoma. <i>Biomaterials</i> , 2021 , 267, 120463	15.6	17
753	mRNA loading into ATP-responsive polyplex micelles with optimal density of phenylboronate ester crosslinking to balance robustness in the biological milieu and intracellular translational efficiency. <i>Journal of Controlled Release</i> , 2021 , 330, 317-328	11.7	14
752	Efficacy of pH-Sensitive Nanomedicines in Tumors with Different c-MYC Expression Depends on the Intratumoral Activation Profile. <i>ACS Nano</i> , 2021 , 15, 5545-5559	16.7	5
751	Structural tuning of oligonucleotides for enhanced blood circulation properties of unit polyion complexes prepared from two-branched poly(ethylene glycol)-block-poly(l-lysine). <i>Journal of Controlled Release</i> , 2021 , 330, 812-820	11.7	4

750	Core-Cross-linked Fluorescent Worm-Like Micelles for Glucose-Mediated Drug Delivery. <i>Biomacromolecules</i> , 2021 , 22, 1458-1471	6.9	6
749	Nanoprobe-Based Magnetic Resonance Imaging of Hypoxia Predicts Responses to Radiotherapy, Immunotherapy, and Sensitizing Treatments in Pancreatic Tumors. <i>ACS Nano</i> , 2021 ,	16.7	10
748	Block cationomer with flexible cationic segment enhances complexation with siRNA and the delivery performance in vitro. <i>Science and Technology of Advanced Materials</i> , 2021 , 22, 850-863	7.1	4
747	Vascular Bursts Act as a Versatile Tumor Vessel Permeation Route for Blood-Borne Particles and Cells. <i>Small</i> , 2021 , 17, e2103751	11	3
746	Poly-ion complex micelles effectively deliver CoA-conjugated CPT1A inhibitors to modulate lipid metabolism in brain cells. <i>Biomaterials Science</i> , 2021 , 9, 7076-7091	7.4	3
745	Bridging mRNA and Polycation Using RNA Oligonucleotide Derivatives Improves the Robustness of Polyplex Micelles for Efficient mRNA Delivery.. <i>Advanced Healthcare Materials</i> , 2021 , e2102016	10.1	4
744	Tumor-Targeted Nanomedicine for Immunotherapy. <i>Accounts of Chemical Research</i> , 2020 , 53, 2765-2776	24.3	20
743	Dual-Sensitive Nanomicelles Enhancing Systemic Delivery of Therapeutically Active Antibodies Specifically into the Brain. <i>ACS Nano</i> , 2020 , 14, 6729-6742	16.7	33
742	Self-Boosting Catalytic Nanoreactors Integrated with Triggerable Crosslinking Membrane Networks for Initiation of Immunogenic Cell Death by Pyroptosis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13526-13530	16.4	55
741	Self-Boosting Catalytic Nanoreactors Integrated with Triggerable Crosslinking Membrane Networks for Initiation of Immunogenic Cell Death by Pyroptosis. <i>Angewandte Chemie</i> , 2020 , 132, 13628-13637	36	27
740	Polymeric Nanocarriers with Controlled Chain Flexibility Boost mRNA Delivery In Vivo through Enhanced Structural Fastening. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000538	10.1	17
739	Transient stealth coating of liver sinusoidal wall by anchoring two-armed PEG for retargeting nanomedicines. <i>Science Advances</i> , 2020 , 6, eabb8133	14.3	13
738	Structural Control of Boronic Acid Ligands Enhances Intratumoral Targeting of Sialic Acid To Eradicate Cancer Stem-like Cells.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 5030-5039	4.1	10
737	Erythrocyte depletion lifts nanoparticle half-lives. <i>Nature Biomedical Engineering</i> , 2020 , 4, 670-671	19	3
736	Nanomedicines blocking adaptive signals in cancer cells overcome tumor TKI resistance. <i>Journal of Controlled Release</i> , 2020 , 321, 132-144	11.7	5
735	Systemic Brain Delivery of Antisense Oligonucleotides across the Blood-Brain Barrier with a Glucose-Coated Polymeric Nanocarrier. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8173-8180	16.4	43
734	Systemic Brain Delivery of Antisense Oligonucleotides across the Blood-Brain Barrier with a Glucose-Coated Polymeric Nanocarrier. <i>Angewandte Chemie</i> , 2020 , 132, 8250-8257	3.6	4
733	Ligand-Installed Nanocarriers: Ligand-Installed Nanocarriers toward Precision Therapy (Adv. Mater. 13/2020). <i>Advanced Materials</i> , 2020 , 32, 2070101	24	2

732	mRNA as a Tool for Gene Transfection in 3D Cell Culture for Future Regenerative Therapy. <i>Micromachines</i> , 2020 , 11,	3.3	3
731	Proliferation-associated long noncoding RNA, TMPO-AS1, is a potential therapeutic target for triple-negative breast cancer. <i>Cancer Science</i> , 2020 , 111, 2440-2450	6.9	14
730	TGF- β inhibition combined with cytotoxic nanomedicine normalizes triple negative breast cancer microenvironment towards anti-tumor immunity. <i>Theranostics</i> , 2020 , 10, 1910-1922	12.1	52
729	Bundling of mRNA strands inside polyion complexes improves mRNA delivery efficiency in vitro and in vivo. <i>Biomaterials</i> , 2020 , 261, 120332	15.6	22
728	Targeting nanoparticles to the brain by exploiting the blood-brain barrier impermeability to selectively label the brain endothelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 19141-19150	11.5	34
727	Translational Nanomedicine Boosts Anti-PD1 Therapy to Eradicate Orthotopic PTEN-Negative Glioblastoma. <i>ACS Nano</i> , 2020 , 14, 10127-10140	16.7	18
726	Noncovalent Stabilization of Vesicular Polyion Complexes with Chemically Modified/Single-Stranded Oligonucleotides and PEG-guanidinylated Polypeptides for Intracavity Encapsulation of Effector Enzymes Aimed at Cooperative Gene Knockdown. <i>Biomacromolecules</i> , 2020 , 21, 4365-4376	6.9	9
725	Polymeric Micelles Loading Proteins through Concurrent Ion Complexation and pH-Cleavable Covalent Bonding for In Vivo Delivery. <i>Macromolecular Bioscience</i> , 2020 , 20, e1900161	5.5	23
724	Ligand-Installed Nanocarriers toward Precision Therapy. <i>Advanced Materials</i> , 2020 , 32, e1902604	24	117
723	Blood-Brain Barrier Permeability and Cytotoxicity of an Atorvastatin-Loaded Nanoformulation Against Glioblastoma in 2D and 3D Models. <i>Molecular Pharmaceutics</i> , 2020 , 17, 1835-1847	5.6	15
722	Nanomaterial-based blood-brain-barrier (BBB) crossing strategies. <i>Biomaterials</i> , 2019 , 224, 119491	15.6	132
721	Design concepts of polyplex micelles for in vivo therapeutic delivery of plasmid DNA and messenger RNA. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 978-990	5.4	52
720	Therapeutic Polymersome Nanoreactors with Tumor-Specific Activable Cascade Reactions for Cooperative Cancer Therapy. <i>ACS Nano</i> , 2019 , 13, 2357-2369	16.7	137
719	Nanomedicines for Reactive Oxygen Species Mediated Approach: An Emerging Paradigm for Cancer Treatment. <i>Accounts of Chemical Research</i> , 2019 , 52, 1771-1782	24.3	145
718	Bundling mRNA Strands to Prepare Nano-Assemblies with Enhanced Stability Towards RNase for In Vivo Delivery. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11360-11363	16.4	27
717	Sonodynamic Therapy With Anticancer Micelles and High-Intensity Focused Ultrasound in Treatment of Canine Cancer. <i>Frontiers in Pharmacology</i> , 2019 , 10, 545	5.6	23
716	Dexamethasone Increases Cisplatin-Loaded Nanocarrier Delivery and Efficacy in Metastatic Breast Cancer by Normalizing the Tumor Microenvironment. <i>ACS Nano</i> , 2019 , 13, 6396-6408	16.7	55
715	Bundling mRNA Strands to Prepare Nano-Assemblies with Enhanced Stability Towards RNase for In Vivo Delivery. <i>Angewandte Chemie</i> , 2019 , 131, 11482	3.6	

714	In vivo rendezvous of small nucleic acid drugs with charge-matched block cationomers to target cancers. <i>Nature Communications</i> , 2019 , 10, 1894	17.4	34
713	Treatment of Intervertebral Disk Disease by the Administration of mRNA Encoding a Cartilage-Anabolic Transcription Factor. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 16, 162-171	10.7	16
712	Glucose transporter 1-mediated vascular translocation of nanomedicines enhances accumulation and efficacy in solid tumors. <i>Journal of Controlled Release</i> , 2019 , 301, 28-41	11.7	36
711	Anti-cancer Effects of a Chemically Modified miR-143 on Bladder Cancer by Either Systemic or Intravesical Treatment. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019 , 13, 290-302	6.4	12
710	Synthetic miR-143 Exhibited an Anti-Cancer Effect via the Downregulation of K-RAS Networks of Renal Cell Cancer Cells In Vitro and In Vivo. <i>Molecular Therapy</i> , 2019 , 27, 1017-1027	11.7	19
709	Self-Assembly of siRNA/PEG- b-Cationomer at Integer Molar Ratio into 100 nm-Sized Vesicular Polyion Complexes (siRNAsomes) for RNAi and Codelivery of Cargo Macromolecules. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3699-3709	16.4	40
708	Dually Stabilized Triblock Copolymer Micelles with Hydrophilic Shell and Hydrophobic Interlayer for Systemic Antisense Oligonucleotide Delivery to Solid Tumor. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 5770-5780	5.5	11
707	Enhancement of Motor Function Recovery after Spinal Cord Injury in Mice by Delivery of Brain-Derived Neurotrophic Factor mRNA. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 17, 465-476	10.7	30
706	Single-Stranded DNA-Packaged Polyplex Micelle as Adeno-Associated-Virus-Inspired Compact Vector to Systemically Target Stroma-Rich Pancreatic Cancer. <i>ACS Nano</i> , 2019 , 13, 12732-12742	16.7	16
705	Fine-Tuning of Hydrophobicity in Amphiphilic Polyaspartamide Derivatives for Rapid and Transient Expression of Messenger RNA Directed Toward Genome Engineering in Brain. <i>ACS Central Science</i> , 2019 , 5, 1866-1875	16.8	30
704	Induced packaging of mRNA into polyplex micelles by regulated hybridization with a small number of cholesteryl RNA oligonucleotides directed enhanced in vivo transfection. <i>Biomaterials</i> , 2019 , 197, 255-267	15.6	35
703	Glucose-linked sub-50-nm unimer polyion complex-assembled gold nanoparticles for targeted siRNA delivery to glucose transporter 1-overexpressing breast cancer stem-like cells. <i>Journal of Controlled Release</i> , 2019 , 295, 268-277	11.7	52
702	Precise tuning of disulphide crosslinking in mRNA polyplex micelles for optimising extracellular and intracellular nuclease tolerability. <i>Journal of Drug Targeting</i> , 2019 , 27, 670-680	5.4	28
701	Treatment of Bone Defects by Transplantation of Genetically Modified Mesenchymal Stem Cell Spheroids. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018 , 9, 358-366	6.4	19
700	Therapeutic Nanoreactors as In Vivo Nanoplatforms for Cancer Therapy. <i>Chemistry - A European Journal</i> , 2018 , 24, 15706-15724	4.8	42
699	Enhanced Intracellular Delivery of siRNA by Controlling ATP-Responsivity of Phenylboronic Acid-Functionalized Polyion Complex Micelles. <i>Macromolecular Bioscience</i> , 2018 , 18, 1700357	5.5	27
698	Combined CatWalk Index: an improved method to measure mouse motor function using the automated gait analysis system. <i>BMC Research Notes</i> , 2018 , 11, 263	2.3	13
697	Polyion complex micelle formation from double-hydrophilic block copolymers composed of charged and non-charged segments in aqueous media. <i>Polymer Journal</i> , 2018 , 50, 95-100	2.7	48

696	Designing immunostimulatory double stranded messenger RNA with maintained translational activity through hybridization with poly A sequences for effective vaccination. <i>Biomaterials</i> , 2018 , 150, 162-170	15.6	28
695	Prolonged engraftment of transplanted hepatocytes in the liver by transient pro-survival factor supplementation using ex vivo mRNA transfection. <i>Journal of Controlled Release</i> , 2018 , 285, 1-11	11.7	9
694	Targeting ability of self-assembled nanomedicines in rat acute limb ischemia model is affected by size. <i>Journal of Controlled Release</i> , 2018 , 286, 394-401	11.7	3
693	Epirubicin-loaded polymeric micelles effectively treat axillary lymph nodes metastasis of breast cancer through selective accumulation and pH-triggered drug release. <i>Journal of Controlled Release</i> , 2018 , 292, 130-140	11.7	37
692	Robust Polyion Complex Vesicles (PICsomes) under Physiological Conditions Reinforced by Multiple Hydrogen Bond Formation Derived by Guanidinium Groups. <i>Biomacromolecules</i> , 2018 , 19, 4113-4121	6.9	20
691	Tuned Density of Anti-Tissue Factor Antibody Fragment onto siRNA-Loaded Polyion Complex Micelles for Optimizing Targetability into Pancreatic Cancer Cells. <i>Biomacromolecules</i> , 2018 , 19, 2320-2329	6.9	29
690	Block Copolymer Micelles in Nanomedicine Applications. <i>Chemical Reviews</i> , 2018 , 118, 6844-6892	68.1	608
689	Effect of shear stress on structure and function of polyplex micelles from poly(ethylene glycol)-poly(L-lysine) block copolymers as systemic gene delivery carrier. <i>Biomaterials</i> , 2017 , 126, 31-38	15.6	40
688	Enzyme-Loaded Polyion Complex Vesicles as in Vivo Nanoreactors Working Sustainably under the Blood Circulation: Characterization and Functional Evaluation. <i>Biomacromolecules</i> , 2017 , 18, 1189-1196	6.9	48
687	Proteasome Inhibitor-Loaded Micelles Enhance Antitumor Activity Through Macrophage Reprogramming by NF- κ B Inhibition. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 2438-2446	3.9	6
686	Inhibition of PRDM14 expression in pancreatic cancer suppresses cancer stem-like properties and liver metastasis in mice. <i>Carcinogenesis</i> , 2017 , 38, 638-648	4.6	29
685	Innentitelbild: Molecularly Imprinted Nanogels Acquire Stealth In Situ by Cloaking Themselves with Native Dysopsonic Proteins (Angew. Chem. 25/2017). <i>Angewandte Chemie</i> , 2017 , 129, 7110-7110	3.6	
684	cRGD peptide-installed epirubicin-loaded polymeric micelles for effective targeted therapy against brain tumors. <i>Journal of Controlled Release</i> , 2017 , 258, 56-66	11.7	84
683	Molecularly Imprinted Nanogels Acquire Stealth In Situ by Cloaking Themselves with Native Dysopsonic Proteins. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7088-7092	16.4	89
682	Molecularly Imprinted Nanogels Acquire Stealth In Situ by Cloaking Themselves with Native Dysopsonic Proteins. <i>Angewandte Chemie</i> , 2017 , 129, 7194-7198	3.6	25
681	Poly(ethylene glycol) Crowding as Critical Factor To Determine pDNA Packaging Scheme into Polyplex Micelles for Enhanced Gene Expression. <i>Biomacromolecules</i> , 2017 , 18, 36-43	6.9	31
680	In memory of Professor Teiji Tsuruta; great mentor in polymeric biomaterials. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 879-880	3.5	
679	Secondary-Structure-Driven Self-Assembly of Reactive Polypept(o)ides: Controlling Size, Shape, and Function of Core Cross-Linked Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9608-9613	16.4	54

678	Nanomaterial-Enabled Cancer Therapy. <i>Molecular Therapy</i> , 2017 , 25, 1501-1513	11.7	85
677	Sekundärstrukturbildung als Triebkraft für die Selbstorganisation reaktiver Polypept(o)ide: Steuerung von Größe, Form und Funktion kernvernetzter Nanostrukturen. <i>Angewandte Chemie</i> , 2017 , 129, 9737-9742	3.6	10
676	Facile Preparation of Delivery Platform of Water-Soluble Low-Molecular-Weight Drugs Based on Polyion Complex Vesicle (PICsome) Encapsulating Mesoporous Silica Nanoparticle. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 807-815	5.5	10
675	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 2313-2381	16.7	714
674	Multilayered polyion complexes with dissolvable silica layer covered by controlling densities of cRGD-conjugated PEG chains for cancer-targeted siRNA delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 1109-1123	3.5	5
673	Polymeric micelles for targeted tumor therapy of platinum anticancer drugs. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 1423-1438	8	34
672	Block copolymer-boron cluster conjugate for effective boron neutron capture therapy of solid tumors. <i>Journal of Controlled Release</i> , 2017 , 254, 1-9	11.7	55
671	A facile amino-functionalization of poly(2-oxazoline)s distal end through sequential azido end-capping and Staudinger reactions. <i>European Polymer Journal</i> , 2017 , 88, 553-561	5.2	10
670	Nanoparticle delivery of Cas9 ribonucleoprotein and donor DNA induces homology-directed DNA repair. <i>Nature Biomedical Engineering</i> , 2017 , 1, 889-901	19	404
669	Virus-Mimicking Chimaeric Polymersomes Boost Targeted Cancer siRNA Therapy In Vivo. <i>Advanced Materials</i> , 2017 , 29, 1703285	24	110
668	Glycaemic control boosts glucosylated nanocarrier crossing the BBB into the brain. <i>Nature Communications</i> , 2017 , 8, 1001	17.4	109
667	Effective treatment of drug resistant recurrent breast tumors harboring cancer stem-like cells by staurosporine/epirubicin co-loaded polymeric micelles. <i>Journal of Controlled Release</i> , 2017 , 264, 127-135	11.7	21
666	Therapeutic Vesicular Nanoreactors with Tumor-Specific Activation and Self-Destruction for Synergistic Tumor Ablation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14025-14030	16.4	131
665	Therapeutic Vesicular Nanoreactors with Tumor-Specific Activation and Self-Destruction for Synergistic Tumor Ablation. <i>Angewandte Chemie</i> , 2017 , 129, 14213-14218	3.6	35
664	Controlled Fab installation onto polymeric micelle nanoparticles for tuned bioactivity. <i>Science and Technology of Advanced Materials</i> , 2017 , 18, 666-680	7.1	12
663	Systemic Delivery of Folate-PEG siRNA Lipopolyplexes with Enhanced Intracellular Stability for In Vivo Gene Silencing in Leukemia. <i>Bioconjugate Chemistry</i> , 2017 , 28, 2393-2409	6.3	32
662	Synthetic "smart gel" provides glucose-responsive insulin delivery in diabetic mice. <i>Science Advances</i> , 2017 , 3, eaaq0723	14.3	80
661	Polyplex Micelles with Phenylboronate/Gluconamide Cross-Linking in the Core Exerting Promoted Gene Transfection through Spatiotemporal Responsivity to Intracellular pH and ATP Concentration. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18567-18575	16.4	52

660	Unilamellar polyion complex vesicles (PICsomes) with tunable permeabilities for macromolecular solutes with different shapes and sizes. <i>Polymer</i> , 2017 , 133, 1-7	3.9	11
659	Sonodynamic Therapy Based on Combined Use of Low Dose Administration of Epirubicin-Incorporating Drug Delivery System and Focused Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2017 , 43, 2295-2301	3.5	18
658	Heterocyclic boronic acids display sialic acid selective binding in a hypoxic tumor relevant acidic environment. <i>Chemical Science</i> , 2017 , 8, 6165-6170	9.4	35
657	cRGD peptide installation on cisplatin-loaded nanomedicines enhances efficacy against locally advanced head and neck squamous cell carcinoma bearing cancer stem-like cells. <i>Journal of Controlled Release</i> , 2017 , 261, 275-286	11.7	24
656	Polyplex micelle installing intracellular self-processing functionalities without free cationomers for safe and efficient systemic gene therapy through tumor vasculature targeting. <i>Biomaterials</i> , 2017 , 113, 253-265	15.6	46
655	Silencing PRDM14 expression by an innovative RNAi therapy inhibits stemness, tumorigenicity, and metastasis of breast cancer. <i>Oncotarget</i> , 2017 , 8, 46856-46874	3.3	24
654	Improved Brain Expression of Anti-Amyloid β cFv by Complexation of mRNA Including a Secretion Sequence with PEG-based Block Cationomer. <i>Current Alzheimer Research</i> , 2017 , 14, 295-302	3	22
653	Treatment of spinal cord injury by an advanced cell transplantation technology using brain-derived neurotrophic factor-transfected mesenchymal stem cell spheroids. <i>Biomaterials</i> , 2016 , 109, 1-11	15.6	39
652	Longer latency of sensory response to intravenous odor injection predicts olfactory neural disorder. <i>Scientific Reports</i> , 2016 , 6, 35361	4.9	10
651	Nanoscale self-assemblies of PEG-poly(amino acid) block copolymers: Polymeric micellar DDS. <i>Drug Delivery System</i> , 2016 , 31, 283-292	0	
650	Polymer nanotechnology for nucleic acid delivery. <i>Drug Delivery System</i> , 2016 , 31, 44-53	0	1
649	A Membrane-integrated Microfluidic Device to Study Permeation of Nanoparticles through Straight Micropores toward Rational Design of Nanomedicines. <i>Analytical Sciences</i> , 2016 , 32, 1307-1314	1.7	7
648	Rod-to-Globule Transition of pDNA/PEG-Poly(L-Lysine) Polyplex Micelles Induced by a Collapsed Balance Between DNA Rigidity and PEG Crowdedness. <i>Small</i> , 2016 , 12, 1193-200	11	28
647	Systemically Injectable Enzyme-Loaded Polyion Complex Vesicles as In Vivo Nanoreactors Functioning in Tumors. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 560-5	16.4	111
646	Recent progress in development of siRNA delivery vehicles for cancer therapy. <i>Advanced Drug Delivery Reviews</i> , 2016 , 104, 61-77	18.5	283
645	Lipid- and polyion complex-based micelles as agonist platforms for TNFR superfamily receptors. <i>Journal of Controlled Release</i> , 2016 , 234, 104-14	11.7	20
644	Messenger RNA-based therapeutics for brain diseases: An animal study for augmenting clearance of beta-amyloid by intracerebral administration of neprilysin mRNA loaded in polyplex nanomicelles. <i>Journal of Controlled Release</i> , 2016 , 235, 268-275	11.7	60
643	Influence of RNA Strand Rigidity on Polyion Complex Formation with Block Cationomers. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 486-93	4.8	54

642	In vivo evaluation of neutron capture therapy effectivity using calcium phosphate-based nanoparticles as Gd-DTPA delivery agent. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016 , 142, 767-75	4.9	31
641	siRNA-Loaded Polyion Complex Micelle Decorated with Charge-Conversional Polymer Tuned to Undergo Stepwise Response to Intra-Tumoral and Intra-Endosomal pHs for Exerting Enhanced RNAi Efficacy. <i>Biomacromolecules</i> , 2016 , 17, 246-55	6.9	40
640	A Nanoparticle Platform To Evaluate Bioconjugation and Receptor-Mediated Cell Uptake Using Cross-Linked Polyion Complex Micelles Bearing Antibody Fragments. <i>Biomacromolecules</i> , 2016 , 17, 1818-33	6.9	27
639	Vascular bursts enhance permeability of tumour blood vessels and improve nanoparticle delivery. <i>Nature Nanotechnology</i> , 2016 , 11, 533-538	28.7	253
638	Analyzing spatiotemporal distribution of uniquely fluorescent nanoparticles in xenograft tumors. <i>Journal of Controlled Release</i> , 2016 , 227, 38-44	11.7	21
637	Integrated nanotechnology platform for tumor-targeted multimodal imaging and therapeutic cargo release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1877-82	11.5	45
636	Synthetic Polyamines to Regulate mRNA Translation through the Preservative Binding of Eukaryotic Initiation Factor 4E to the Cap Structure. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1478-81	16.4	28
635	Calcium phosphate-based organic-inorganic hybrid nanocarriers with pH-responsive on/off switch for photodynamic therapy. <i>Biomaterials Science</i> , 2016 , 4, 826-38	7.4	51
634	Hydroxychloroquine-conjugated gold nanoparticles for improved siRNA activity. <i>Biomaterials</i> , 2016 , 90, 62-71	15.6	30
633	Systemic delivery of siRNA by actively targeted polyion complex micelles for silencing the E6 and E7 human papillomavirus oncogenes. <i>Journal of Controlled Release</i> , 2016 , 231, 29-37	11.7	37
632	Polyplex Micelles with Double-Protective Compartments of Hydrophilic Shell and Thermoswitchable Palisade of Poly(oxazoline)-Based Block Copolymers for Promoted Gene Transfection. <i>Biomacromolecules</i> , 2016 , 17, 354-61	6.9	42
631	Systemic delivery of messenger RNA for the treatment of pancreatic cancer using polyplex nanomicelles with a cholesterol moiety. <i>Biomaterials</i> , 2016 , 82, 221-8	15.6	95
630	Intracellular Delivery of Charge-Converted Monoclonal Antibodies by Combinatorial Design of Block/Homo Polyion Complex Micelles. <i>Biomacromolecules</i> , 2016 , 17, 446-53	6.9	55
629	Enhanced target recognition of nanoparticles by cocktail PEGylation with chains of varying lengths. <i>Chemical Communications</i> , 2016 , 52, 1517-9	5.8	29
628	Preparation of Polyion Complex Micelles Using Block Copolymers for SiRNA Delivery. <i>Methods in Molecular Biology</i> , 2016 , 1364, 89-103	1.4	5
627	Nanoparticles Effectively Target Rapamycin Delivery to Sites of Experimental Aortic Aneurysm in Rats. <i>PLoS ONE</i> , 2016 , 11, e0157813	3.7	28
626	Systemically Injectable Enzyme-Loaded Polyion Complex Vesicles as In Vivo Nanoreactors Functioning in Tumors. <i>Angewandte Chemie</i> , 2016 , 128, 570-575	3.6	25
625	Macromol. Rapid Commun. 6/2016. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 560-560	4.8	

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