Kotaro Hayashi

List of Publications by Year
in descending order

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20	809	706676 14	889612 19
papers	citations	h-index	g-index

20	20	20	1407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic Stabilization of Unit Polyion Complexes Incorporating Small Interfering RNA by Fine-Tuning of Cationic Block Length in Two-Branched Poly(ethylene glycol)-b-poly(<scp>l</scp>-lysine). Biomacromolecules, 2022, 23, 388-397.	2.6	3
2	Changeable net charge on nanoparticles facilitates intratumor accumulation and penetration. Journal of Controlled Release, 2022, 346, 392-404.	4.8	7
3	Structural tuning of oligonucleotides for enhanced blood circulation properties of unit polyion complexes prepared from two-branched poly(ethylene glycol)-block-poly(l-lysine). Journal of Controlled Release, 2021, 330, 812-820.	4.8	15
4	Treatment of primary and metastatic breast and pancreatic tumors upon intravenous delivery of a <scp>PRDM14</scp>â€specific chimeric <scp>siRNA</scp>/nanocarrier complex. International Journal of Cancer, 2021, 149, 646-656.	2.3	10
5	Noncovalent Stabilization of Vesicular Polyion Complexes with Chemically Modified/Single-Stranded Oligonucleotides and PEG-b-guanidinylated Polypeptides for Intracavity Encapsulation of Effector Enzymes Aimed at Cooperative Gene Knockdown. Biomacromolecules, 2020, 21, 4365-4376.	2.6	17
6	Transient stealth coating of liver sinusoidal wall by anchoring two-armed PEG for retargeting nanomedicines. Science Advances, 2020, 6, eabb8133.	4.7	44
7	Systemic Brain Delivery of Antisense Oligonucleotides across the Bloodâ€“Brain Barrier with a Glucoseâ€Coated Polymeric Nanocarrier. Angewandte Chemie - International Edition, 2020, 59, 8173-8180.	7.2	113
8	Systemic Brain Delivery of Antisense Oligonucleotides across the Bloodâ€“Brain Barrier with a Glucoseâ€Coated Polymeric Nanocarrier. Angewandte Chemie, 2020, 132, 8250-8257.	1.6	10
9	Dually Stabilized Triblock Copolymer Micelles with Hydrophilic Shell and Hydrophobic Interlayer for Systemic Antisense Oligonucleotide Delivery to Solid Tumor. ACS Biomaterials Science and Engineering, 2019, 5, 5770-5780.	2.6	21
10	In vivo rendezvous of small nucleic acid drugs with charge-matched block catiomers to target cancers. Nature Communications, 2019, 10, 1894.	5.8	53
11	Anti-cancer Effects of a Chemically Modified miR-143 on Bladder Cancer by Either Systemic or Intravesical Treatment. Molecular Therapy - Methods and Clinical Development, 2019, 13, 290-302.	1.8	14
12	Synthetic miR-143 Exhibited an Anti-Cancer Effect via the Downregulation of K-RAS Networks of Renal Cell Cancer Cells InÂVitro and InÂVivo. Molecular Therapy, 2019, 27, 1017-1027.	3.7	39
13	Tunable nonenzymatic degradability of N-substituted polyaspartamide main chain by amine protonation and alkyl spacer length in side chains for enhanced messenger RNA transfection efficiency. Science and Technology of Advanced Materials, 2019, 20, 105-115.	2.8	13
14	Self-Assembly of siRNA/PEG-b-Catiomer at Integer Molar Ratio into 100 nm-Sized Vesicular Polyion Complexes (siRNAsomes) for RNAi and Codelivery of Cargo Macromolecules. Journal of the American Chemical Society, 2019, 141, 3699-3709.	6.6	54
15	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. Journal of Controlled Release, 2019, 295, 268-277.	4.8	82
16	Tuned Density of Anti-Tissue Factor Antibody Fragment onto siRNA-Loaded Polyion Complex Micelles for Optimizing Targetability into Pancreatic Cancer Cells. Biomacromolecules, 2018, 19, 2320-2329.	2.6	34
17	Macromol. Rapid Commun. 6/2016. Macromolecular Rapid Communications, 2016, 37, 560-560.	2.0	0
18	Targeted systemic delivery of siRNA to cervical cancer model using cyclic RGD-installed unimer polyion complex-assembled gold nanoparticles. Journal of Controlled Release, 2016, 244, 247-256.	4.8	87

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19	Influence of RNA Strand Rigidity on Polyion Complex Formation with Block Catiomers. Macromolecular Rapid Communications, 2016, 37, 486-493.	2.0	67
20	Precise Engineering of siRNA Delivery Vehicles to Tumors Using Polyion Complexes and Gold Nanoparticles. ACS Nano, 2014, 8, 8979-8991.	7.3	126