

Young-hoon Roh

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,123
citations

331259

21
h-index

243296

44
g-index

52
all docs

52
docs citations

52
times ranked

3039
citing authors

#	ARTICLE	IF	CITATIONS
1	A mechanical metamaterial made from a DNA hydrogel. <i>Nature Nanotechnology</i> , 2012, 7, 816-820.	15.6	484
2	Engineering DNA-based functional materials. <i>Chemical Society Reviews</i> , 2011, 40, 5730.	18.7	263
3	Multifunctional nanoarchitectures from DNA-based ABC monomers. <i>Nature Nanotechnology</i> , 2009, 4, 430-436.	15.6	164
4	Layer-by-Layer Assembled Antisense DNA Microsponge Particles for Efficient Delivery of Cancer Therapeutics. <i>ACS Nano</i> , 2014, 8, 9767-9780.	7.3	107
5	Engineering Nanocarriers for siRNA Delivery. <i>Small</i> , 2011, 7, 841-856.	5.2	97
6	RNAi Microsponges Form through Self-Assembly of the Organic and Inorganic Products of Transcription. <i>Small</i> , 2014, 10, 1623-1633.	5.2	86
7	A Multi-RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3347-3351.	7.2	86
8	Binary Targeting of siRNA to Hematologic Cancer Cells In Vivo Using Layer-by-Layer Nanoparticles. <i>Advanced Functional Materials</i> , 2019, 29, 1900018.	7.8	86
9	DNASomes: Multifunctional DNA-Based Nanocarriers. <i>Small</i> , 2011, 7, 74-78.	5.2	71
10	Laparoscopic major liver resection in Korea: a multicenter study. <i>Journal of Hepato-Biliary-Pancreatic Sciences</i> , 2013, 20, 125-130.	1.4	63
11	DNA-based nanostructures for molecular sensing. <i>Nanoscale</i> , 2010, 2, 188-197.	2.8	56
12	Noncanonical Head-to-Head Hairpin DNA Dimerization Is Essential for the Synthesis of Orange Emissive Silver Nanoclusters. <i>ACS Nano</i> , 2020, 14, 8697-8706.	7.3	36
13	Validation of the 8th AJCC Cancer Staging System for Pancreas Neuroendocrine Tumors Using Korean Nationwide Surgery Database. <i>Cancer Research and Treatment</i> , 2019, 51, 1639-1652.	1.3	35
14	DNA-Assisted Smart Nanocarriers: Progress, Challenges, and Opportunities. <i>ACS Nano</i> , 2021, 15, 1942-1951.	7.3	34
15	Synthesis of high-strength microcrystalline cellulose hydrogel by viscosity adjustment. <i>Carbohydrate Polymers</i> , 2018, 180, 231-237.	5.1	33
16	Preparation and characterization of alginate-carrageenan complex films. <i>Journal of Applied Polymer Science</i> , 2006, 99, 3483-3490.	1.3	30
17	Photocrosslinked DNA Nanospheres for Drug Delivery. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1207-1211.	2.0	30
18	Optimization of phytic acid-crosslinked chitosan microspheres for oral insulin delivery using response surface methodology. <i>International Journal of Pharmaceutics</i> , 2020, 588, 119736.	2.6	27

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19	Identification and Use of Zinc Finger Transcription Factors That Increase Production of Recombinant Proteins in Yeast and Mammalian Cells. <i>Biotechnology Progress</i> , 2008, 21, 664-670.	1.3	26
20	Cationic cellulose nanocrystals complexed with polymeric siRNA for efficient anticancer drug delivery. <i>Carbohydrate Polymers</i> , 2020, 247, 116684.	5.1	26
21	Cellulose nanocrystals as support nanomaterials for dual droplet-based freeform 3D printing. <i>Carbohydrate Polymers</i> , 2021, 272, 118469.	5.1	26
22	Prognostic factors for gallbladder cancer in the laparoscopy era. [Chapchi] <i>Journal Taehan Oekwa Hakhoe</i> , 2012, 83, 227.	1.1	23
23	Fascin overexpression correlates with positive thrombospondin-1 and syndecan-1 expressions and a more aggressive clinical course in patients with gallbladder cancer. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2009, 16, 315-321.	2.0	21
24	Size-controlled synthesis of polymerized DNA nanoparticles for targeted anticancer drug delivery. <i>Chemical Communications</i> , 2019, 55, 4905-4908.	2.2	21
25	Multifunctional DNA Nanogels for Aptamer-Based Targeted Delivery and Stimuli-Triggered Release of Cancer Therapeutics. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000457.	2.0	19
26	Nanoparticle-Patterned Multicompartmental Chitosan Capsules for Oral Delivery of Oligonucleotides. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4163-4173.	2.6	17
27	Dual-targeting RNA nanoparticles for efficient delivery of polymeric siRNA to cancer cells. <i>Chemical Communications</i> , 2020, 56, 6624-6627.	2.2	17
28	RNA-assisted self-assembly of monomeric antigens into virus-like particles as a recombinant vaccine platform. <i>Biomaterials</i> , 2021, 269, 120650.	5.7	13
29	Cell-Free Protein Expression from DNA-Based Hydrogel (P-Gel) Droplets for Scale-Up Production. <i>Industrial Biotechnology</i> , 2012, 8, 372-377.	0.5	12
30	Single-Port Laparoscopic and Robotic Cholecystectomy in Obesity (>25 kg/m ²). <i>Journal of the Society of Laparoendoscopic Surgeons</i> , 2019, 23, e2019.00005.	0.5	12
31	Collision tumor of the rectum: A case report of metastatic gastric adenocarcinoma plus primary rectal adenocarcinoma. <i>World Journal of Gastroenterology</i> , 2006, 12, 5569.	1.4	12
32	Extramedullary Plasmacytoma of the Pancreas Diagnosed Using Endoscopic Ultrasonography-Guided Fine Needle Aspiration. <i>Clinical Endoscopy</i> , 2014, 47, 115.	0.6	12
33	Thermoresponsive semi-interpenetrating gelatin-alginate networks for encapsulation and controlled release of scent molecules. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 1096-1105.	3.6	12
34	Clinical and Biological Evaluations of Biodegradable Collagen Matrices for Glaucoma Drainage Device Implantation. , 2017, 58, 5329.		9
35	Optimization of enterokinase fermentation using a recombinant <i>Saccharomyces cerevisiae</i> . <i>Process Biochemistry</i> , 2005, 40, 717-722.	1.8	6
36	Anisotropically Functionalized Aptamer-DNA Nanostructures for Enhanced Cell Proliferation and Target-Specific Adhesion in 3D Cell Cultures. <i>Biomacromolecules</i> , 2021, 22, 3138-3147.	2.6	6

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37	Multivalent DNA-Based Vectors for DNA Vaccine Delivery. <i>Methods in Molecular Biology</i> , 2014, 1143, 159-179.	0.4	6
38	Surface-Functionalized Polymeric siRNA Nanoparticles for Tunable Targeting and Intracellular Delivery to Hematologic Cancer Cells. <i>Biomacromolecules</i> , 2022, 23, 2255-2263.	2.6	6
39	Systematic Studies of UV Stability and Photopolymerization Efficiency of DNA-Based Nanomaterials. <i>ChemPhysChem</i> , 2012, 13, 2517-2521.	1.0	5
40	Prognostic significance of thymidylate synthase, thymidine phosphorylase and dihydropyrimidine dehydrogenase expression in biliary tract cancer patients receiving adjuvant 5-fluorouracil-based chemotherapy. <i>Molecular and Clinical Oncology</i> , 2013, 1, 987-994.	0.4	5
41	Sodium Iodide Symporter and Phosphatase and Tensin Homolog Deleted on Chromosome Ten Expression in Cholangiocarcinoma Analysis with Clinicopathological Parameters. <i>Gut and Liver</i> , 2012, 6, 374-380.	1.4	5
42	Comparison of Outcomes After Single-Port Laparoscopic Cholecystectomy in Relation to Patient Body Mass Index. <i>Journal of the Society of Laparoendoscopic Surgeons</i> , 2014, 18, e2014.00048.	0.5	4
43	A Multi- RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. <i>Angewandte Chemie</i> , 2016, 128, 3408-3412.	1.6	4
44	RNA-dependent assembly of chimeric antigen nanoparticles as an efficient H5N1 pre-pandemic vaccine platform. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 37, 102438.	1.7	4
45	Loss comparison of the 3 level topologies for four-leg voltage converters. , 2014, , .		3
46	Abdominal actinomycosis misconceived as intestinal lymphoma: Report of a case. <i>International Journal of Surgery Case Reports</i> , 2019, 60, 171-174.	0.2	3
47	Comparing the Results of Method of Jejunal Anastomosis at Pylorus-preserving Pancreaticoduodenectomy. [Chapchi] <i>Journal Taehan Oekwa Hakhoe</i> , 2009, 77, 120.	1.1	0
48	InnenrÃ¼cktitelbild: A Multi- RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs (<i>Angew. Chem.</i> 10/2016). <i>Angewandte Chemie</i> , 2016, 128, 3575-3575.	1.6	0
49	A Clinical Analysis of about 2,000 Cases for the Laparoscopic Cholecystectomy: Single Center Experiences - A Change in the Indication for Laparoscopic Cholecystectomy according to Period. [Chapchi] <i>Journal Taehan Oekwa Hakhoe</i> , 2009, 76, 364.	1.1	0
50	Primary Extrapulmonary Small Cell Carcinoma of the Appendix - A Case Report -. <i>Korean Journal of Pathology</i> , 2010, 44, 101.	1.2	0