Young-hoon Roh

List of Publications by Year
in descending order

50	2,123	331670	243625
papers	citations	21 h-index	44 g-index

52	52	52	3039
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A mechanical metamaterial made from a DNA hydrogel. Nature Nanotechnology, 2012, 7, 816-820.	31.5	484
2	Engineering DNA-based functional materials. Chemical Society Reviews, 2011, 40, 5730.	38.1	263
3	Multifunctional nanoarchitectures from DNA-based ABC monomers. Nature Nanotechnology, 2009, 4, 430-436.	31.5	164
4	Layer-by-Layer Assembled Antisense DNA Microsponge Particles for Efficient Delivery of Cancer Therapeutics. ACS Nano, 2014, 8, 9767-9780.	14.6	107
5	Engineering Nanocarriers for siRNA Delivery. Small, 2011, 7, 841-856.	10.0	97
6	RNAiâ€Microsponges Form through Selfâ€Assembly of the Organic and Inorganic Products of Transcription. Small, 2014, 10, 1623-1633.	10.0	86
7	A Multiâ€RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. Angewandte Chemie - International Edition, 2016, 55, 3347-3351.	13.8	86
8	Binary Targeting of siRNA to Hematologic Cancer Cells In Vivo Using Layerâ€byâ€Layer Nanoparticles. Advanced Functional Materials, 2019, 29, 1900018.	14.9	86
9	DNAsomes: Multifunctional DNAâ€Based Nanocarriers. Small, 2011, 7, 74-78.	10.0	71
10	Laparoscopic major liver resection in Korea: a multicenter study. Journal of Hepato-Biliary-Pancreatic Sciences, 2013, 20, 125-130.	2.6	63
11	DNA-based nanostructures for molecular sensing. Nanoscale, 2010, 2, 188-197.	5.6	56
12	Noncanonical Head-to-Head Hairpin DNA Dimerization Is Essential for the Synthesis of Orange Emissive Silver Nanoclusters. ACS Nano, 2020, 14, 8697-8706.	14.6	36
13	Validation of the 8th AJCC Cancer Staging System for Pancreas Neuroendocrine Tumors Using Korean Nationwide Surgery Database. Cancer Research and Treatment, 2019, 51, 1639-1652.	3.0	35
14	DNA-Assisted Smart Nanocarriers: Progress, Challenges, and Opportunities. ACS Nano, 2021, 15, 1942-1951.	14.6	34
15	Synthesis of high-strength microcrystalline cellulose hydrogel by viscosity adjustment. Carbohydrate Polymers, 2018, 180, 231-237.	10.2	33
16	Preparation and characterization of alginateâ€“carrageenan complex films. Journal of Applied Polymer Science, 2006, 99, 3483-3490.	2.6	30
17	Photocrosslinked DNA Nanospheres for Drug Delivery. Macromolecular Rapid Communications, 2010, 31, 1207-1211.	3.9	30
18	Optimization of phytic acid-crosslinked chitosan microspheres for oral insulin delivery using response surface methodology. International Journal of Pharmaceutics, 2020, 588, 119736.	5.2	27

#	Article	IF	Citations
19	Identification and Use of Zinc Finger Transcription Factors That Increase Production of Recombinant Proteins in Yeast and Mammalian Cells. Biotechnology Progress, 2008, 21, 664-670.	2.6	26
20	Cationic cellulose nanocrystals complexed with polymeric siRNA for efficient anticancer drug delivery. Carbohydrate Polymers, 2020, 247, 116684.	10.2	26
21	Cellulose nanocrystals as support nanomaterials for dual droplet-based freeform 3D printing. Carbohydrate Polymers, 2021, 272, 118469.	10.2	26
22	Prognostic factors for gallbladder cancer in the laparoscopy era. [Chapchi] Journal Taehan Oekwa Hakhoe, 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. Journal of Hepato-Biliary-Pancreatic Surgery, 2009, 16, 315-321.	2.0	21
24	Size-controlled synthesis of polymerized DNA nanoparticles for targeted anticancer drug delivery. Chemical Communications, 2019, 55, 4905-4908.	4.1	21
25	Multifunctional DNA Nanogels for Aptamerâ€Based Targeted Delivery and Stimuliâ€Triggered Release of Cancer Therapeutics. Macromolecular Rapid Communications, 2021, 42, e2000457.	3.9	19
26	Nanoparticle-Patterned Multicompartmental Chitosan Capsules for Oral Delivery of Oligonucleotides. ACS Biomaterials Science and Engineering, 2018, 4, 4163-4173.	5.2	17
27	Dual-targeting RNA nanoparticles for efficient delivery of polymeric siRNA to cancer cells. Chemical Communications, 2020, 56, 6624-6627.	4.1	17
28	RNA-assisted self-assembly of monomeric antigens into virus-like particles as a recombinant vaccine platform. Biomaterials, 2021, 269, 120650.	11.4	13
29	Cell-Free Protein Expression from DNA-Based Hydrogel (P-Gel) Droplets for Scale-Up Production. Industrial Biotechnology, 2012, 8, 372-377.	0.8	12
30	Single-Port Laparoscopic and Robotic Cholecystectomy in Obesity (>25 kg/m2). Journal of the Society of Laparoendoscopic Surgeons, 2019, 23, e2019.00005.	1.1	12
31	Collision tumor of the rectum: A case report of metastatic gastric adenocarcinoma plus primary rectal adenocarcinoma. World Journal of Gastroenterology, 2006, 12, 5569.	3.3	12
32	Extramedullary Plasmacytoma of the Pancreas Diagnosed Using Endoscopic Ultrasonography-Guided Fine Needle Aspiration. Clinical Endoscopy, 2014, 47, 115.	1.5	12
33	Thermoresponsive semi-interpenetrating gelatin-alginate networks for encapsulation and controlled release of scent molecules. International Journal of Biological Macromolecules, 2022, 208, 1096-1105.	7.5	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 Saccharomyces cerevisiae. Process Biochemistry, 2005, 40, 717-722.	3.7	6
36	Anisotropically Functionalized Aptamer-DNA Nanostructures for Enhanced Cell Proliferation and Target-Specific Adhesion in 3D Cell Cultures. Biomacromolecules, 2021, 22, 3138-3147.	5.4	6

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37	Multivalent DNA-Based Vectors for DNA Vaccine Delivery. Methods in Molecular Biology, 2014, 1143, 159-179.	0.9	6
38	Surface-Functionalized Polymeric siRNA Nanoparticles for Tunable Targeting and Intracellular Delivery to Hematologic Cancer Cells. Biomacromolecules, 2022, 23, 2255-2263.	5.4	6
39	Systematic Studies of UV Stability and Photopolymerization Efficiency of DNAâ€Based Nanomaterials. ChemPhysChem, 2012, 13, 2517-2521.	2.1	5
40	Prognostic significance of thymidylate synthase, thymidine phosphorylase and dihydropyrimidine dehydrogenase expression in biliary tract cancer patients receiving adjuvant 5-fluorouracil-based chemotherapy. Molecular and Clinical Oncology, 2013, 1, 987-994.	1.0	5
41	Sodium Iodide Symporter and Phosphatase and Tensin Homolog Deleted on Chromosome Ten Expression in Cholangiocarcinoma Analysis with Clinicopathological Parameters. Gut and Liver, 2012, 6, 374-380.	2.9	5
42	Comparison of Outcomes After Single-Port Laparoscopic Cholecystectomy in Relation to Patient Body Mass Index. Journal of the Society of Laparoendoscopic Surgeons, 2014, 18, e2014.00048.	1.1	4
43	A Multiâ€RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. Angewandte Chemie, 2016, 128, 3408-3412.	2.0	4
44	RNA-dependent assembly of chimeric antigen nanoparticles as an efficient H5N1 pre-pandemic vaccine platform. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 37, 102438.	3.3	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. International Journal of Surgery Case Reports, 2019, 60, 171-174.	0.6	3
47	Comparing the Results of Method of Jejunal Anastmosis at Pylous-preserving Pancreaticoduodenectomy. [Chapchi] Journal Taehan Oekwa Hakhoe, 2009, 77, 120.	1.1	0
48	InnenrÃ¼cktitelbild: A Multiâ€RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs (Angew. Chem. 10/2016). Angewandte Chemie, 2016, 128, 3575-3575.	2.0	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] Journal Taehan Oekwa Hakhoe, 2009, 76, 364.	1.1	0
50	Primary Extrapulmonary Small Cell Carcinoma of the Appendix - A Case Report -. Korean Journal of Pathology, 2010, 44, 101.	1.3	0