Shunâ€ ichi Kuroda

List of Publications by Year
in descending order

61 papers	1,392 citations	304743 22 h-index	361022 35 g-index
65 all docs	65 docs citations	65 times ranked	1443 citing authors

#	Article	IF	Citations
1	Nanoparticles for the delivery of genes and drugs to human hepatocytes. Nature Biotechnology, 2003, 21, 885-890.	17.5	245
2	Bio-nanocapsule conjugated with liposomes for in vivo pinpoint delivery of various materials. Journal of Controlled Release, 2008, 126, 255-264.	9.9	67
3	Physicochemical and immunological characterization of hepatitis B virus envelope particles exclusively consisting of the entire L (pre-S1+pre-S2+S) protein. Vaccine, 2001, 19, 3154-3163.	3.8	66
4	Nanocapsules incorporating IgG Fc-binding domain derived from Staphylococcus aureus protein A for displaying IgGs on immunosensor chips. Biomaterials, 2011, 32, 1455-1464.	11.4	59
5	Development of a virus-mimicking nanocarrier for drug delivery systems: The bio-nanocapsule. Advanced Drug Delivery Reviews, 2015, 95, 77-89.	13.7	52
6	Size distribution measurement of vesicles by atomic force microscopy. Analytical Biochemistry, 2002, 309, 196-199.	2.4	48
7	Current Progress of Virus-mimicking Nanocarriers for Drug Delivery. Nanotheranostics, 2017, 1, 415-429.	5.2	47
8	Nanoparticles for human liver-specific drug and gene delivery systems:in vitroandin vivoadvances. Expert Opinion on Drug Delivery, 2009, 6, 39-52.	5.0	41
9	Nano-visualization of oriented-immobilized IgGs on immunosensors by high-speed atomic force microscopy. Scientific Reports, 2012, 2, 790.	3.3	39
10	Role of the T-Type Calcium Channel Ca_V3.2 in the Chronotropic Action of Corticosteroids in Isolated Rat Ventricular Myocytes. Endocrinology, 2009, 150, 3726-3734.	2.8	35
11	Enigma homolog 1 scaffolds protein kinase D1 to regulate the activity of the cardiac L-type voltage-gated calcium channel. Cardiovascular Research, 2008, 78, 458-465.	3.8	34
12	Scaffolds for oriented and close-packed immobilization of immunoglobulins. Biosensors and Bioelectronics, 2017, 89, 810-821.	10.1	34
13	Efficient and rapid purification of drug- and gene-carrying bio-nanocapsules, hepatitis B virus surface antigen L particles, from Saccharomyces cerevisiae. Protein Expression and Purification, 2011, 78, 149-155.	1.3	33
14	The specific delivery of proteins to human liver cells by engineered bio-nanocapsules. FEBS Journal, 2005, 272, 3651-3660.	4.7	32
15	Cellular uptake of hepatitis B virus envelope L particles is independent of sodium taurocholate cotransporting polypeptide, but dependent on heparan sulfate proteoglycan. Virology, 2016, 497, 23-32.	2.4	32
16	Real-Time Luminescence Assay for Cytoplasmic Cargo Delivery of Extracellular Vesicles. Analytical Chemistry, 2021, 93, 5612-5620.	6.5	31
17	Bionanocapsule-based enzymeâ€“antibody conjugates for enzyme-linked immunosorbent assay. Analytical Biochemistry, 2010, 396, 257-261.	2.4	28
18	Development of a macrophage-targeting and phagocytosis-inducing bio-nanocapsule-based nanocarrier for drug delivery. Acta Biomaterialia, 2018, 73, 412-423.	8.3	26

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19	A New Cell Separation Method Based on Antibody-Immobilized Nanoneedle Arrays for the Detection of Intracellular Markers. Nano Letters, 2017, 17, 7117-7124.	9.1	25
20	Fluorophore-labeled nanocapsules displaying IgG Fc-binding domains for the simultaneous detection of multiple antigens. Biomaterials, 2011, 32, 9011-9020.	11.4	23
21	Hepatitis B virus envelope L protein-derived bio-nanocapsules: Mechanisms of cellular attachment and entry into human hepatic cells. Journal of Controlled Release, 2012, 160, 322-329.	9.9	23
22	The Structural Function of Nestin in Cell Body Softening is Correlated with Cancer Cell Metastasis. International Journal of Biological Sciences, 2019, 15, 1546-1556.	6.4	23
23	Intracellular trafficking of bio-nanocapsuleâ€“liposome complex: Identification of fusogenic activity in the pre-S1 region of hepatitis B virus surface antigen L protein. Journal of Controlled Release, 2015, 212, 10-18.	9.9	22
24	Bio-Nanocapsuleâ€“Liposome Conjugates for In Vivo Pinpoint Drug and Gene Delivery. Methods in Enzymology, 2009, 464, 147-166.	1.0	21
25	Digital Pathology Platform for Respiratory Tract Infection Diagnosis via Multiplex Single-Particle Detections. ACS Sensors, 2020, 5, 3398-3403.	7.8	21
26	Reporter gene assay for membrane fusion of extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12171.	12.2	21
27	CD11c-specific bio-nanocapsule enhances vaccine immunogenicity by targeting immune cells. Journal of Nanobiotechnology, 2018, 16, 59.	9.1	20
28	Characterization of bio-nanocapsule as a transfer vector targeting human hepatocyte carcinoma by disulfide linkage modification. Journal of Controlled Release, 2007, 118, 348-356.	9.9	17
29	A Novel Hybrid Drug Delivery System for Treatment of Aortic Aneurysms. International Journal of Molecular Sciences, 2020, 21, 5538.	4.1	17
30	Oriented immobilization to nanoparticles enhanced the therapeutic efficacy of antibody drugs. Acta Biomaterialia, 2019, 86, 373-380.	8.3	14
31	Virosomes of hepatitis B virus envelope L proteins containing doxorubicin: synergistic enhancement of human liver-specific antitumor growth activity by radiotherapy. International Journal of Nanomedicine, 2015, 10, 4159.	6.7	13
32	A hepatitis B virus-derived human hepatic cell-specific heparin-binding peptide: identification and application to a drug delivery system. Biomaterials Science, 2019, 7, 322-335.	5.4	13
33	Engineered hepatitis B virus surface antigen L protein particles for in vivo active targeting of splenic dendritic cells. International Journal of Nanomedicine, 2012, 7, 3341.	6.7	12
34	Mutational analysis of hepatitis B virus pre-S1 (9â€“24) fusogenic peptide. Biochemical and Biophysical Research Communications, 2016, 474, 406-412.	2.1	10
35	Bio-nanocapsules displaying various immunoglobulins as an active targeting-based drug delivery system. Acta Biomaterialia, 2016, 35, 238-247.	8.3	10
36	Induction of lipid droplets in non-macrophage cells as well as macrophages by liposomes and exosomes. Biochemical and Biophysical Research Communications, 2019, 510, 184-190.	2.1	10

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37	High-throughput single nanoparticle detection using a feed-through channel-integrated nanopore. Nanoscale, 2019, 11, 20475-20484.	5.6	10
38	Engineering of Extracellular Vesicles for Small Molecule-Regulated Cargo Loading and Cytoplasmic Delivery of Bioactive Proteins. Molecular Pharmaceutics, 2022, 19, 2495-2505.	4.6	10
39	Human Liver-Specific Nanocarrier in a Novel Mouse Xenograft Model Bearing Noncancerous Human Liver Tissue. European Surgical Research, 2011, 46, 65-72.	1.3	9
40	A bioâ€nanocapsule containing envelope protein domain <scp>III</scp> of Japanese encephalitis virus protects mice against lethal Japanese encephalitis virus infection. Microbiology and Immunology, 2013, 57, 470-477.	1.4	8
41	Development of a universal method for the measurement of binding affinities of antibody drugs towards a living cell based on AFM force spectroscopy. Analytical Methods, 2020, 12, 2922-2927.	2.7	8
42	Elucidation of the early infection machinery of hepatitis B virus by using bio-nanocapsule. World Journal of Gastroenterology, 2016, 22, 8489.	3.3	8
43	Low immunogenic bio-nanocapsule based on hepatitis B virus escape mutants. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 595-600.	3.3	7
44	Two-dimensional membrane scaffold for the oriented immobilization of biosensing molecules. Biosensors and Bioelectronics, 2020, 150, 111860.	10.1	7
45	Bioâ€nanocapsuleâ€based scaffold improves the sensitivity and ligandâ€binding capacity of mammalian receptors on the sensor chip. Biotechnology Journal, 2016, 11, 805-813.	3.5	6
46	Binding of liposomes composed of phosphatidylcholine to scavenger receptor class B type 1 and its modulation by phosphatidic acid in HEK293T cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119043.	4.1	6
47	Release of siRNA from Liposomes Induced by Curcumin. Journal of Nanotechnology, 2016, 2016, 1-6.	3.4	5
48	Synthesis and assembly of Hepatitis B virus envelope protein-derived particles in Escherichia coli. Biochemical and Biophysical Research Communications, 2017, 490, 155-160.	2.1	5
49	A regulatory role of scavenger receptor class B type 1 in endocytosis and lipid droplet formation induced by liposomes containing phosphatidylethanolamine in HEK293T cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118859.	4.1	5
50	Binding of Nanoparticles Harboring Recombinant Large Surface Protein of Hepatitis B Virus to Scavenger Receptor Class B Type 1. Viruses, 2021, 13, 1334.	3.3	5
51	Id2 Represses Aldosterone-Stimulated Cardiac T-Type Calcium Channels Expression. International Journal of Molecular Sciences, 2021, 22, 3561.	4.1	4
52	HBV Pre-S1-Derived Myristoylated Peptide (Myr47): Identification of the Inhibitory Activity on the Cellular Uptake of Lipid Nanoparticles. Viruses, 2021, 13, 929.	3.3	4
53	In vivouterine local gene delivery system using TATâ€displaying bionanocapsules. Journal of Gene Medicine, 2019, 21, e3140.	2.8	3
54	Enhanced sugar chain detection by oriented immobilization of Fc-fused lectins. Bioscience, Biotechnology and Biochemistry, 2020, 84, 1775-1779.	1.3	3

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55	Virus-mimicking nanocarriers for the intracellular delivery of therapeutic biomolecules. Nanomedicine, 2020, 15, 1163-1165.	3.3	3
56	Influence of Nivolumab for Intercellular Adhesion Force between a T Cell and a Cancer Cell Evaluated by AFM Force Spectroscopy. Sensors, 2020, 20, 5723.	3.8	2
57	Bio-nanocapsules for oriented immobilization of DNA aptamers on aptasensors. Analyst, The, 2022, 147, 489-495.	3.5	2
58	Potential of a non-cationic liposomes-based delivery system for nucleic acid medicines. Drug Delivery System, 2016, 31, 35-43.	0.0	1
59	Polymerized Albumin Receptor of Hepatitis B Virus for Evading the Reticuloendothelial System. Pharmaceuticals, 2021, 14, 408.	3.8	1
60	Construction of a Macrophage-Targeting Bio-nanocapsule-Based Nanocarrier. Methods in Molecular Biology, 2020, 2059, 299-313.	0.9	1
61	Binding of Hepatitis B Virus Pre-S1 Domain-Derived Synthetic Myristoylated Peptide to Scavenger Receptor Class B Type 1 with Differential Properties from Sodium Taurocholate Cotransporting Polypeptide. Viruses, 2022, 14, 105.	3.3	1