

# Jeong-Hun Kang

## List of Publications by Citations

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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.

93  
papers

2,979  
citations

28  
h-index

52  
g-index

98  
ext. papers

3,306  
ext. citations

6  
avg, IF

5.33  
L-index

#	Paper	IF	Citations
93	Human exposure to bisphenol A. <i>Toxicology</i> , <b>2006</b> , 226, 79-89	4.4	589
92	Bisphenol A in the aquatic environment and its endocrine-disruptive effects on aquatic organisms. <i>Critical Reviews in Toxicology</i> , <b>2007</b> , 37, 607-25	5.7	220
91	Biodegradation or metabolism of bisphenol A: from microorganisms to mammals. <i>Toxicology</i> , <b>2006</b> , 217, 81-90	4.4	162
90	Bisphenol A (BPA) and cell signaling pathways. <i>Biotechnology Advances</i> , <b>2018</b> , 36, 311-327	17.8	143
89	Factors influencing the migration of bisphenol A from cans. <i>Journal of Food Protection</i> , <b>2003</b> , 66, 1444-7	2.5	102
88	Effects of bacterial counts and temperature on the biodegradation of bisphenol A in river water. <i>Chemosphere</i> , <b>2002</b> , 49, 493-8	8.4	85
87	Bisphenol A degradation in seawater is different from that in river water. <i>Chemosphere</i> , <b>2005</b> , 60, 1288-92	4.4	83
86	Liver-targeted siRNA delivery by polyethylenimine (PEI)-pullulan carrier. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 3946-50	3.4	77
85	Design of polymeric carriers for cancer-specific gene targeting: utilization of abnormal protein kinase Calpha activation in cancer cells. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 14906-7	16.4	74
84	Measurement of homogeneous kinase activity for cell lysates based on the aggregation of gold nanoparticles. <i>ChemBioChem</i> , <b>2007</b> , 8, 875-9	3.8	71
83	Gold nanoparticle-based colorimetric assay for cancer diagnosis. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1869-74	11.8	58
82	Determination of bisphenol A in canned pet foods. <i>Research in Veterinary Science</i> , <b>2002</b> , 73, 177-82	2.5	58
81	Colorimetric enzymatic activity assay based on noncrosslinking aggregation of gold nanoparticles induced by adsorption of substrate peptides. <i>Biomacromolecules</i> , <b>2008</b> , 9, 2301-8	6.9	57
80	Determination of bisphenol A in milk and dairy products by high-performance liquid chromatography with fluorescence detection. <i>Journal of Food Protection</i> , <b>2003</b> , 66, 1439-43	2.5	53
79	Bisphenol A migration from cans containing coffee and caffeine. <i>Food Additives and Contaminants</i> , <b>2002</b> , 19, 886-90		47
78	An intracellular kinase signal-responsive gene carrier for disordered cell-specific gene therapy. <i>Journal of Controlled Release</i> , <b>2006</b> , 110, 431-436	11.7	45
77	Protein kinase C (PKC) isozyme-specific substrates and their design. <i>Biotechnology Advances</i> , <b>2012</b> , 30, 1662-72	17.8	43

76	Phosphorylation of Rho-associated kinase (Rho-kinase/ROCK/ROK) substrates by protein kinases A and C. <i>Biochimie</i> , <b>2007</b> , 89, 39-47	4.6	43
75	<i>Streptomyces</i> sp. strain isolated from river water has high bisphenol A degradability. <i>Letters in Applied Microbiology</i> , <b>2004</b> , 39, 178-80	2.9	42
74	A short peptide is a protein kinase C (PKC) alpha-specific substrate. <i>Proteomics</i> , <b>2008</b> , 8, 2006-11	4.8	38
73	Anti-obesity and anti-inflammatory effects of macrophage-targeted interleukin-10-conjugated liposomes in obese mice. <i>Biomaterials</i> , <b>2016</b> , 110, 81-88	15.6	38
72	Design and Function of Engineered Protein Nanocages as a Drug Delivery System for Targeting Pancreatic Cancer Cells via Neuropilin-1. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 1422-30	5.6	37
71	Protein Kinase C (PKC) Isozymes and Cancer. <i>New Journal of Science</i> , <b>2014</b> , 2014, 1-36		35
70	Development of human hepatocellular carcinoma cell-targeted protein cages. <i>Bioconjugate Chemistry</i> , <b>2012</b> , 23, 1494-501	6.3	35
69	Intracellular signal-responsive gene carrier for cell-specific gene expression. <i>Biomacromolecules</i> , <b>2005</b> , 6, 908-13	6.9	35
68	Liver cell-targeted delivery of therapeutic molecules. <i>Critical Reviews in Biotechnology</i> , <b>2016</b> , 36, 132-43	9.4	33
67	A nanocarrier based on a genetically engineered protein cage to deliver doxorubicin to human hepatocellular carcinoma cells. <i>Chemical Communications</i> , <b>2013</b> , 49, 7442-4	5.8	31
66	High-throughput colorimetric detection of tyrosine kinase inhibitors based on the aggregation of gold nanoparticles. <i>Analytical Biochemistry</i> , <b>2008</b> , 373, 161-3	3.1	29
65	Gene carrier showing all-or-none response to cancer cell signaling. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15410-7	16.4	26
64	Plasma protein kinase C (PKC)alpha as a biomarker for the diagnosis of cancers. <i>Carcinogenesis</i> , <b>2009</b> , 30, 1927-31	4.6	25
63	Liver cell specific targeting by the preS1 domain of hepatitis B virus surface antigen displayed on protein nanocages. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 4353-62	7.3	22
62	Bio and nanotechnological strategies for tumor-targeted gene therapy. <i>Biotechnology Advances</i> , <b>2010</b> , 28, 757-63	17.8	20
61	Protein kinase C alpha-specific peptide substrate graft-type copolymer for cancer cell-specific gene regulation systems. <i>Journal of Controlled Release</i> , <b>2009</b> , 139, 133-9	11.7	19
60	A protein kinase signal-responsive gene carrier modified RGD peptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 5740-3	2.9	19
59	A colorimetric assay of protein kinase activity based on peptide-induced coagulation of gold nanorods. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 99, 7-11	6	18

58	Biological evaluation of protein nanocapsules containing doxorubicin. <i>International Journal of Nanomedicine</i> , <b>2013</b> , 8, 1989-99	7.3	18
57	Inflammatory cell-specific transgene expression system responding to Ikappa-B kinase beta activation. <i>Journal of Gene Medicine</i> , <b>2009</b> , 11, 624-32	3.5	18
56	Systemic delivery of protein nanocages bearing CTT peptides for enhanced imaging of MMP-2 expression in metastatic tumor models. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 16, 148-58	6.3	17
55	Ultrasensitive MRI detection of spontaneous pancreatic tumors with nanocage-based targeted contrast agent. <i>Biomaterials</i> , <b>2018</b> , 152, 37-46	15.6	17
54	Reduction of inorganic phosphate-induced human smooth muscle cells calcification by inhibition of protein kinase A and p38 mitogen-activated protein kinase. <i>Heart and Vessels</i> , <b>2014</b> , 29, 718-22	2.1	17
53	Peptide substrates for Rho-associated kinase 2 (Rho-kinase 2/ROCK2). <i>PLoS ONE</i> , <b>2011</b> , 6, e22699	3.7	17
52	Fluorescent nanoparticles consisting of lipopeptides and fluorescein-modified polyanions for monitoring of protein kinase activity. <i>Bioconjugate Chemistry</i> , <b>2011</b> , 22, 1526-34	6.3	17
51	Mass-tag technology responding to intracellular signals as a novel assay system for the diagnosis of tumor. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2007</b> , 18, 106-12	3.5	17
50	Monitoring protein kinase activity in cell lysates using a high-density peptide microarray. <i>Journal of Biomolecular Screening</i> , <b>2009</b> , 14, 256-62		16
49	Protein kinase Calpha-responsive polymeric carrier: its application for gene delivery into human cancers. <i>Cancer Science</i> , <b>2009</b> , 100, 1532-6	6.9	15
48	Specific transgene expression in HIV-infected cells using protease-cleavable transcription regulator. <i>Journal of Controlled Release</i> , <b>2010</b> , 141, 52-61	11.7	15
47	Effect of the addition of diammonium citrate to alpha-cyano-4-hydroxycinnamic acid (CHCA) matrix for the detection of phosphorylated peptide in phosphorylation reactions using cell and tissue lysates. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2007</b> , 18, 1925-31	3.5	15
46	Importance of control of enzymatic degradation for determination of bisphenol A from fruits and vegetables. <i>Analytica Chimica Acta</i> , <b>2006</b> , 555, 114-117	6.6	15
45	Efficient reduction of serum cholesterol by combining a liver-targeted gene delivery system with chemically modified apolipoprotein B siRNA. <i>Journal of Controlled Release</i> , <b>2012</b> , 163, 119-24	11.7	14
44	Hepatoma-targeted gene delivery using a tumor cell-specific gene regulation system combined with a human liver cell-specific bionanocapsule. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2010</b> , 6, 583-9	6	14
43	Reversal of efflux of an anticancer drug in human drug-resistant breast cancer cells by inhibition of protein kinase C[[PKC]] activity. <i>Tumor Biology</i> , <b>2016</b> , 37, 1901-8	2.9	13
42	Peptide substrates for G protein-coupled receptor kinase 2. <i>FEBS Letters</i> , <b>2014</b> , 588, 2129-32	3.8	12
41	Tumor therapy by gene regulation system responding to cellular signal. <i>Journal of Controlled Release</i> , <b>2010</b> , 148, 101-105	11.7	12

40	Protective and healing effects of apoptotic mimic-induced M2-like macrophage polarization on pressure ulcers in young and middle-aged mice. <i>Journal of Controlled Release</i> , <b>2021</b> , 330, 705-714	11.7	11
39	Transgene regulation system responding to Rho associated coiled-coil kinase (ROCK) activation. <i>Journal of Controlled Release</i> , <b>2011</b> , 155, 40-6	11.7	10
38	Effective delivery of DNA into tumor cells and tissues by electroporation of polymer-DNA complex. <i>Cancer Letters</i> , <b>2008</b> , 265, 281-8	9.9	9
37	Increased hepatic inflammation in a normal-weight mouse after long-term high-fat diet feeding. <i>Journal of Toxicologic Pathology</i> , <b>2018</b> , 31, 43-47	1.4	8
36	Applications of human hepatitis B virus preS domain in bio- and nanotechnology. <i>World Journal of Gastroenterology</i> , <b>2015</b> , 21, 7400-11	5.6	8
35	Stabilization of cancer-specific gene carrier via hydrophobic interaction for a clear-cut response to cancer signaling. <i>Journal of Controlled Release</i> , <b>2013</b> , 170, 469-76	11.7	7
34	Cilomilast enhances osteoblast differentiation of mesenchymal stem cells and bone formation induced by bone morphogenetic protein 2. <i>Biochimie</i> , <b>2012</b> , 94, 2360-5	4.6	7
33	Effect of introduction of chondroitin sulfate into polymer-peptide conjugate responding to intracellular signals. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 532	5	7
32	A syngeneic hepatocellular carcinoma model rapidly and simply prepared using a hydrodynamics-based procedure. <i>Veterinary Journal</i> , <b>2009</b> , 181, 336-9	2.5	7
31	Development of a fluorescence peptide chip for the detection of caspase activity. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2006</b> , 9, 21-5	1.3	7
30	Kinase activity of protein kinase c in serum as a diagnostic biomarker of human lung cancer. <i>Anticancer Research</i> , <b>2013</b> , 33, 485-8	2.3	7
29	Improvement in the colloidal stability of protein kinase-responsive polyplexes by PEG modification. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 1136-41	5.4	6
28	Fluorometric detection of protein kinase C activity based on phosphorylation-induced dissociation of a polyion complex. <i>Analytical Biochemistry</i> , <b>2012</b> , 424, 130-6	3.1	6
27	Serum protein kinase C as a diagnostic biomarker of cancers. <i>Cancer Biomarkers</i> , <b>2013</b> , 13, 99-103	3.8	6
26	A gene-delivery system specific for hepatoma cells and an intracellular kinase signal based on human liver-specific bionanocapsules and signal-responsive artificial polymer. <i>International Journal of Pharmaceutics</i> , <b>2010</b> , 396, 174-8	6.5	6
25	Suppression of atopic dermatitis in mice model by reducing inflammation utilizing phosphatidylserine-coated biodegradable microparticles. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2015</b> , 26, 1465-74	3.5	5
24	Role of amino acid residues surrounding the phosphorylation site in peptide substrates of G protein-coupled receptor kinase 2 (GRK2). <i>Amino Acids</i> , <b>2016</b> , 48, 2875-2880	3.5	5
23	Letter: correlation between phosphorylation ratios by matrix-assisted laser desorption/ionization time-of-flight mass spectrometric analysis and enzyme kinetics. <i>European Journal of Mass Spectrometry</i> , <b>2008</b> , 14, 261-5	1.1	5

22	Macrophage Uptake Behavior and Anti-inflammatory Response of Bovine Brain- or Soybean-derived Phosphatidylserine Liposomes. <i>Journal of Oleo Science</i> , <b>2018</b> , 67, 1131-1135	1.6	5
21	Expression and characterization of myristoylated preS1-conjugated nanocages for targeted cell delivery. <i>Protein Expression and Purification</i> , <b>2015</b> , 110, 52-6	2	4
20	Unique cellular interaction of macrophage-targeted liposomes potentiates anti-inflammatory activity. <i>Chemical Communications</i> , <b>2020</b> , 56, 8253-8256	5.8	4
19	Design of substrates and inhibitors of G protein-coupled receptor kinase 2 (GRK2) based on its phosphorylation reaction. <i>Amino Acids</i> , <b>2020</b> , 52, 863-870	3.5	4
18	Long-term profile of serological biomarkers, hepatic inflammation, and fibrosis in a mouse model of non-alcoholic fatty liver disease. <i>Toxicology Letters</i> , <b>2020</b> , 332, 1-6	4.4	4
17	Protein kinase A (PKA) inhibition reduces human aortic smooth muscle cell calcification stimulated by inflammatory response and inorganic phosphate. <i>Life Sciences</i> , <b>2018</b> , 209, 466-471	6.8	4
16	A simple set-and-mix assay for screening of protein kinase inhibitors in cell lysates. <i>Analytical Biochemistry</i> , <b>2011</b> , 418, 44-9	3.1	4
15	Role of plasma as activator and cofactor in phosphorylation catalyzed by protein kinase C. <i>Cell Biochemistry and Function</i> , <b>2008</b> , 26, 70-5	4.2	4
14	Efficient delivery of signal-responsive gene carriers for disease-specific gene expression via bubble liposomes and sonoporation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 160, 60-64	6	3
13	Monitoring of phosphorylated peptides by radioactive assay and matrix-assisted laser desorption-ionization time-of-flight mass spectrometry. <i>Amino Acids</i> , <b>2015</b> , 47, 2377-83	3.5	3
12	Effect of peptide content on the regulation of transgene expression by protein kinase C-responsive linear polyethylenimine-peptide conjugates. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 123, 123-9	6	3
11	Regulation of Transgene Expression in Tumor Cells by Exploiting Endogenous Intracellular Signals. <i>Nanoscale Research Letters</i> , <b>2008</b> , 4, 229-233	5	3
10	Cellular signal-specific peptide substrate is essential for the gene delivery system responding to cellular signals. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 6082-6	2.9	3
9	Suppression of Lysophosphatidylcholine-Induced Human Aortic Smooth Muscle Cell Calcification by Protein Kinase A Inhibition. <i>Lipids</i> , <b>2019</b> , 54, 465-470	1.6	2
8	Liver cell-specific peptides derived from the preS1 domain of human hepatitis B virus. <i>Journal of Virological Methods</i> , <b>2014</b> , 201, 20-3	2.6	2
7	Role of estrogenic compounds (diethylstilbestrol, 17beta-estradiol, and bisphenol A) in the phosphorylation of substrate by protein kinase Calpha. <i>Journal of Biochemical and Molecular Toxicology</i> , <b>2009</b> , 23, 318-23	3.4	2
6	A high-affinity peptide substrate for G protein-coupled receptor kinase 2 (GRK2). <i>Amino Acids</i> , <b>2019</b> , 51, 973-976	3.5	1
5	Correlation between phosphorylation ratios by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis and radioactivities by radioactive assay. <i>Analytical Biochemistry</i> , <b>2012</b> , 421, 773-5	3.1	1

4	Bioinspired macrophage-targeted anti-inflammatory nanomedicine: A therapeutic option for the treatment of myocarditis. <i>Materials Science and Engineering C</i> , <b>2021</b> , 131, 112492	8.3	1
3	Protein Kinase C $\beta$ -Responsive Gene Carrier for Cancer-Specific Transgene Expression and Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 2530-2537	5.5	1
2	The Combination of Drug or Gene Delivery System Responding to Cellular Signals (D-RECS) and Sonoporation System for Effective and Safe Gene Delivery. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1237, 1		
1	Old but Still Useful [ $\gamma$ - <sup>32</sup> P]ATP Development of Peptide Substrates for Protein Kinases by $\gamma$ - <sup>32</sup> P-Based Enzyme Activity Assay <i>Bunseki Kagaku</i> , <b>2022</b> , 71, 179-185	0.2	