

# Jeong-Hun Kang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2026110/publications.pdf>

Version: 2024-02-01

96  
papers

3,687  
citations

182225

30  
h-index

156644

58  
g-index

98  
all docs

98  
docs citations

98  
times ranked

5046  
citing authors

#	ARTICLE	IF	CITATIONS
1	Old but Still Useful [ <sup>32</sup> P]ATP-Development of Peptide Substrates for Protein Kinases by <sup>32</sup> P-Based Enzyme Activity Assay". <i>Bunseki Kagaku</i> , 2022, 71, 179-185.	0.1	0
2	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> , 2021, 330, 705-714.	4.8	24
3	Protein Kinase C $\pm$ -Responsive Gene Carrier for Cancer-Specific Transgene Expression and Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 2530-2537.	2.6	4
4	Identification of Activated Protein Kinase C $\pm$ (PKC $\pm$ ) in the Urine of Orthotopic Bladder Cancer Xenograft Model as a Potential Biomarker for the Diagnosis of Bladder Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9276.	1.8	4
5	Activators and Inhibitors of Protein Kinase C (PKC): Their Applications in Clinical Trials. <i>Pharmaceutics</i> , 2021, 13, 1748.	2.0	38
6	Bioinspired macrophage-targeted anti-inflammatory nanomedicine: A therapeutic option for the treatment of myocarditis. <i>Materials Science and Engineering C</i> , 2021, 131, 112492.	3.8	7
7	Unique cellular interaction of macrophage-targeted liposomes potentiates anti-inflammatory activity. <i>Chemical Communications</i> , 2020, 56, 8253-8256.	2.2	7
8	Design of substrates and inhibitors of G protein-coupled receptor kinase 2 (GRK2) based on its phosphorylation reaction. <i>Amino Acids</i> , 2020, 52, 863-870.	1.2	7
9	Long-term profile of serological biomarkers, hepatic inflammation, and fibrosis in a mouse model of non-alcoholic fatty liver disease. <i>Toxicology Letters</i> , 2020, 332, 1-6.	0.4	8
10	Suppression of Lysophosphatidylcholine-Induced Human Aortic Smooth Muscle Cell Calcification by Protein Kinase A Inhibition. <i>Lipids</i> , 2019, 54, 465-470.	0.7	5
11	A high-affinity peptide substrate for G protein-coupled receptor kinase 2 (GRK2). <i>Amino Acids</i> , 2019, 51, 973-976.	1.2	1
12	Ultrasensitive MRI detection of spontaneous pancreatic tumors with nanocage-based targeted contrast agent. <i>Biomaterials</i> , 2018, 152, 37-46.	5.7	29
13	Bisphenol A (BPA) and cell signaling pathways. <i>Biotechnology Advances</i> , 2018, 36, 311-327.	6.0	234
14	Macrophage Uptake Behavior and Anti-inflammatory Response of Bovine Brain- or Soybean-derived Phosphatidylserine Liposomes. <i>Journal of Oleo Science</i> , 2018, 67, 1131-1135.	0.6	5
15	Protein kinase A (PKA) inhibition reduces human aortic smooth muscle cell calcification stimulated by inflammatory response and inorganic phosphate. <i>Life Sciences</i> , 2018, 209, 466-471.	2.0	7
16	Efficient delivery of signal-responsive gene carriers for disease-specific gene expression via bubble liposomes and sonoporation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 60-64.	2.5	4
17	Increased hepatic inflammation in a normal-weight mouse after long-term high-fat diet feeding. <i>Journal of Toxicologic Pathology</i> , 2017, 31, 43-47.	0.3	17
18	Anti-obesity and anti-inflammatory effects of macrophage-targeted interleukin-10-conjugated liposomes in obese mice. <i>Biomaterials</i> , 2016, 110, 81-88.	5.7	60

#	ARTICLE	IF	CITATIONS
19	Role of amino acid residues surrounding the phosphorylation site in peptide substrates of G protein-coupled receptor kinase 2 (GRK2). <i>Amino Acids</i> , 2016, 48, 2875-2880.	1.2	5
20	Liver cell-targeted delivery of therapeutic molecules. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 132-143.	5.1	43
21	Reversal of efflux of an anticancer drug in human drug-resistant breast cancer cells by inhibition of protein kinase C $\zeta$ (PKC $\zeta$ ) activity. <i>Tumor Biology</i> , 2016, 37, 1901-1908.	0.8	18
22	Applications of human hepatitis B virus preS domain in bio- and nanotechnology. <i>World Journal of Gastroenterology</i> , 2015, 21, 7400.	1.4	12
23	Monitoring of phosphorylated peptides by radioactive assay and matrix-assisted laser desorption-ionization time-of-flight mass spectrometry. <i>Amino Acids</i> , 2015, 47, 2377-2383.	1.2	3
24	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> , 2015, 16, 148-158.	1.8	21
25	Design and Function of Engineered Protein Nanocages as a Drug Delivery System for Targeting Pancreatic Cancer Cells via Neuropilin-1. <i>Molecular Pharmaceutics</i> , 2015, 12, 1422-1430.	2.3	46
26	Expression and characterization of myristoylated preS1-conjugated nanocages for targeted cell delivery. <i>Protein Expression and Purification</i> , 2015, 110, 52-56.	0.6	4
27	Suppression of atopic dermatitis in mice model by reducing inflammation utilizing phosphatidylserine-coated biodegradable microparticles. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015, 26, 1465-1474.	1.9	6
28	Protein Kinase C (PKC) Isozymes and Cancer. <i>New Journal of Science</i> , 2014, 2014, 1-36.	1.0	53
29	Effect of peptide content on the regulation of transgene expression by protein kinase C $\zeta$ -responsive linear polyethylenimine-peptide conjugates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 123-129.	2.5	5
30	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> , 2014, 29, 718-722.	0.5	19
31	Peptide substrates for G protein-coupled receptor kinase 2. <i>FEBS Letters</i> , 2014, 588, 2129-2132.	1.3	13
32	Liver cell-specific peptides derived from the preS1 domain of human hepatitis B virus. <i>Journal of Virological Methods</i> , 2014, 201, 20-23.	1.0	2
33	Stabilization of cancer-specific gene carrier via hydrophobic interaction for a clear-cut response to cancer signaling. <i>Journal of Controlled Release</i> , 2013, 170, 469-476.	4.8	9
34	A nanocarrier based on a genetically engineered protein cage to deliver doxorubicin to human hepatocellular carcinoma cells. <i>Chemical Communications</i> , 2013, 49, 7442.	2.2	43
35	Serum protein kinase C $\zeta$ as a diagnostic biomarker of cancers. <i>Cancer Biomarkers</i> , 2013, 13, 99-103.	0.8	9
36	Biological evaluation of protein nanocapsules containing doxorubicin. <i>International Journal of Nanomedicine</i> , 2013, 8, 1989.	3.3	20

#	ARTICLE	IF	CITATIONS
37	Kinase activity of protein kinase C $\delta$ in serum as a diagnostic biomarker of human lung cancer. <i>Anticancer Research</i> , 2013, 33, 485-8.	0.5	8
38	Protein kinase C (PKC) isozyme-specific substrates and their design. <i>Biotechnology Advances</i> , 2012, 30, 1662-1672.	6.0	71
39	Gene Carrier Showing All-or-None Response to Cancer Cell Signaling. <i>Journal of the American Chemical Society</i> , 2012, 134, 15410-15417.	6.6	27
40	A colorimetric assay of protein kinase activity based on peptide-induced coagulation of gold nanorods. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 99, 7-11.	2.5	21
41	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> , 2012, 163, 119-124.	4.8	15
42	Cilomilast enhances osteoblast differentiation of mesenchymal stem cells and bone formation induced by bone morphogenetic protein 2. <i>Biochimie</i> , 2012, 94, 2360-2365.	1.3	9
43	Liver cell specific targeting by the preS1 domain of hepatitis B virus surface antigen displayed on protein nanocages. <i>International Journal of Nanomedicine</i> , 2012, 7, 4353.	3.3	23
44	Improvement in the colloidal stability of protein kinase $\epsilon$ -responsive polyplexes by PEG modification. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1136-1141.	2.1	6
45	Development of Human Hepatocellular Carcinoma Cell-Targeted Protein Cages. <i>Bioconjugate Chemistry</i> , 2012, 23, 1494-1501.	1.8	41
46	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> , 2012, 421, 773-775.	1.1	1
47	Fluorometric detection of protein kinase C $\delta$ activity based on phosphorylation-induced dissociation of a polyion complex. <i>Analytical Biochemistry</i> , 2012, 424, 130-136.	1.1	6
48	Fluorescent Nanoparticles Consisting of Lipopeptides and Fluorescein-Modified Polyanions for Monitoring of Protein Kinase Activity. <i>Bioconjugate Chemistry</i> , 2011, 22, 1526-1534.	1.8	18
49	Biomarkers for Melanoma Diagnosis and the Technologies Used to Identify Them. , 2011, , .		0
50	Peptide Substrates for Rho-Associated Kinase 2 (Rho-Kinase 2/ROCK2). <i>PLoS ONE</i> , 2011, 6, e22699.	1.1	18
51	Transgene regulation system responding to Rho associated coiled-coil kinase (ROCK) activation. <i>Journal of Controlled Release</i> , 2011, 155, 40-46.	4.8	12
52	A simple set-and-mix assay for screening of protein kinase inhibitors in cell lysates. <i>Analytical Biochemistry</i> , 2011, 418, 44-49.	1.1	5
53	Effect of introduction of chondroitin sulfate into polymer-peptide conjugate responding to intracellular signals. <i>Nanoscale Research Letters</i> , 2011, 6, 532.	3.1	11
54	Liver-targeted siRNA delivery by polyethylenimine (PEI)-pullulan carrier. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3946-3950.	1.4	89

#	ARTICLE	IF	CITATIONS
55	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> , 2010, 6, 583-589.	1.7	19
56	Specific transgene expression in HIV-infected cells using protease-cleavable transcription regulator. <i>Journal of Controlled Release</i> , 2010, 141, 52-61.	4.8	19
57	Tumor therapy by gene regulation system responding to cellular signal. <i>Journal of Controlled Release</i> , 2010, 148, 101-105.	4.8	14
58	Bio and nanotechnological strategies for tumor-targeted gene therapy. <i>Biotechnology Advances</i> , 2010, 28, 757-763.	6.0	23
59	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> , 2010, 396, 174-178.	2.6	8
60	Gold nanoparticle-based colorimetric assay for cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1869-1874.	5.3	64
61	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> , 2009, 1237, 1.	0.1	0
62	Plasma protein kinase C (PKC) $\beta$ as a biomarker for the diagnosis of cancers. <i>Carcinogenesis</i> , 2009, 30, 1927-1931.	1.3	32
63	Monitoring Protein Kinase Activity in Cell Lysates Using a High-Density Peptide Microarray. <i>Journal of Biomolecular Screening</i> , 2009, 14, 256-262.	2.6	17
64	A syngeneic hepatocellular carcinoma model rapidly and simply prepared using a hydrodynamics-based procedure. <i>Veterinary Journal</i> , 2009, 181, 336-339.	0.6	8
65	Protein kinase C $\beta$ -specific peptide substrate graft-type copolymer for cancer cell-specific gene regulation systems. <i>Journal of Controlled Release</i> , 2009, 139, 133-139.	4.8	22
66	Role of estrogenic compounds (diethylstilbestrol, 17 $\beta$ -estradiol, and bisphenol A) in the phosphorylation of substrate by protein kinase C $\beta$ . <i>Journal of Biochemical and Molecular Toxicology</i> , 2009, 23, 318-323.	1.4	3
67	Inflammatory cell-specific transgene expression system responding to $\beta$ kinase beta activation. <i>Journal of Gene Medicine</i> , 2009, 11, 624-632.	1.4	21
68	Regulation of Transgene Expression in Tumor Cells by Exploiting Endogenous Intracellular Signals. <i>Nanoscale Research Letters</i> , 2009, 4, 229-233.	3.1	4
69	Protein kinase C $\beta$ -responsive polymeric carrier: its application for gene delivery into human cancers. <i>Cancer Science</i> , 2009, 100, 1532-1536.	1.7	16
70	Cellular signal-specific peptide substrate is essential for the gene delivery system responding to cellular signals. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6082-6086.	1.0	3
71	A short peptide is a protein kinase C (PKC) $\beta$ -specific substrate. <i>Proteomics</i> , 2008, 8, 2006-2011.	1.3	42
72	Role of plasma as activator and cofactor in phosphorylation catalyzed by protein kinase C. <i>Cell Biochemistry and Function</i> , 2008, 26, 70-75.	1.4	4

#	ARTICLE	IF	CITATIONS
73	High-throughput colorimetric detection of tyrosine kinase inhibitors based on the aggregation of gold nanoparticles. <i>Analytical Biochemistry</i> , 2008, 373, 161-163.	1.1	31
74	Colorimetric Enzymatic Activity Assay Based on Noncrosslinking Aggregation of Gold Nanoparticles Induced by Adsorption of Substrate Peptides. <i>Biomacromolecules</i> , 2008, 9, 2301-2308.	2.6	62
75	Effective delivery of DNA into tumor cells and tissues by electroporation of polymer-DNA complex. <i>Cancer Letters</i> , 2008, 265, 281-288.	3.2	11
76	Design of Polymeric Carriers for Cancer-Specific Gene Targeting: Utilization of Abnormal Protein Kinase C $\pm$ Activation in Cancer Cells. <i>Journal of the American Chemical Society</i> , 2008, 130, 14906-14907.	6.6	83
77	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> , 2008, 14, 261-265.	0.5	6
78	Phosphorylation of Rho-associated kinase (Rho-kinase/ROCK/ROK) substrates by protein kinases A and C. <i>Biochimie</i> , 2007, 89, 39-47.	1.3	45
79	Bisphenol A in the Aquatic Environment and Its Endocrine-Disruptive Effects on Aquatic Organisms. <i>Critical Reviews in Toxicology</i> , 2007, 37, 607-625.	1.9	256
80	Measurement of Homogeneous Kinase Activity for Cell Lysates Based on the Aggregation of Gold Nanoparticles. <i>ChemBioChem</i> , 2007, 8, 875-879.	1.3	77
81	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> , 2007, 18, 106-112.	1.2	20
82	Effect of the addition of diammonium citrate to $\gamma$ -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> , 2007, 18, 1925-1931.	1.2	16
83	A protein kinase signal-responsive gene carrier modified RGD peptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5740-5743.	1.0	21
84	Importance of control of enzymatic degradation for determination of bisphenol A from fruits and vegetables. <i>Analytica Chimica Acta</i> , 2006, 555, 114-117.	2.6	20
85	Biodegradation or metabolism of bisphenol A: From microorganisms to mammals. <i>Toxicology</i> , 2006, 217, 81-90.	2.0	204
86	Human exposure to bisphenol A. <i>Toxicology</i> , 2006, 226, 79-89.	2.0	690
87	An intracellular kinase signal-responsive gene carrier for disordered cell-specific gene therapy. <i>Journal of Controlled Release</i> , 2006, 110, 431-436.	4.8	46
88	Development of a Fluorescence Peptide Chip for the Detection of Caspase Activity. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2006, 9, 21-25.	0.6	8
89	Intracellular Signal-Responsive Gene Carrier for Cell-Specific Gene Expression. <i>Biomacromolecules</i> , 2005, 6, 908-913.	2.6	39
90	Bisphenol A degradation in seawater is different from that in river water. <i>Chemosphere</i> , 2005, 60, 1288-1292.	4.2	102

#	ARTICLE	IF	CITATIONS
91	Streptomyces sp. strain isolated from river water has high bisphenol A degradability. Letters in Applied Microbiology, 2004, 39, 178-180.	1.0	47
92	Factors Influencing the Migration of Bisphenol A from Cans. Journal of Food Protection, 2003, 66, 1444-1447.	0.8	127
93	Determination of Bisphenol A in Milk and Dairy Products by High-Performance Liquid Chromatography with Fluorescence Detection. Journal of Food Protection, 2003, 66, 1439-1443.	0.8	70
94	Bisphenol A migration from cans containing coffee and caffeine. Food Additives and Contaminants, 2002, 19, 886-890.	2.0	50
95	Effects of bacterial counts and temperature on the biodegradation of bisphenol A in river water. Chemosphere, 2002, 49, 493-498.	4.2	97
96	Determination of bisphenol A in canned pet foods. Research in Veterinary Science, 2002, 73, 177-182.	0.9	67