

# Jeon-Soo Shin

## 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.

97  
papers

6,077  
citations

32  
h-index

77  
g-index

107  
ext. papers

6,777  
ext. citations

6.8  
avg, IF

5.45  
L-index

#	Paper	IF	Citations
97	Nanoscale size effect of magnetic nanocrystals and their utilization for cancer diagnosis via magnetic resonance imaging. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 5732-3	16.4	1034
96	In vivo magnetic resonance detection of cancer by using multifunctional magnetic nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 12387-91	16.4	768
95	Noninvasive remote-controlled release of drug molecules in vitro using magnetic actuation of mechanized nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 10623-5	16.4	539
94	Nanoscale magnetism control via surface and exchange anisotropy for optimized ferrimagnetic hysteresis. <i>Nano Letters</i> , <b>2012</b> , 12, 3716-21	11.5	334
93	Dual-mode nanoparticle probes for high-performance magnetic resonance and fluorescence imaging of neuroblastoma. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 8160-2	16.4	309
92	Biocompatible heterostructured nanoparticles for multimodal biological detection. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 15982-3	16.4	309
91	Nucleocytoplasmic shuttling of HMGB1 is regulated by phosphorylation that redirects it toward secretion. <i>Journal of Immunology</i> , <b>2006</b> , 177, 7889-97	5.3	277
90	High mobility group box 1 protein binding to lipopolysaccharide facilitates transfer of lipopolysaccharide to CD14 and enhances lipopolysaccharide-mediated TNF-alpha production in human monocytes. <i>Journal of Immunology</i> , <b>2008</b> , 180, 5067-74	5.3	213
89	NOD-Like Receptors in Infection, Immunity, and Diseases. <i>Yonsei Medical Journal</i> , <b>2016</b> , 57, 5-14	3	192
88	A magnetic switch for the control of cell death signalling in in vitro and in vivo systems. <i>Nature Materials</i> , <b>2012</b> , 11, 1038-43	27	165
87	HMGB1 is phosphorylated by classical protein kinase C and is secreted by a calcium-dependent mechanism. <i>Journal of Immunology</i> , <b>2009</b> , 182, 5800-9	5.3	127
86	Expression of a novel secreted splice variant of the receptor for advanced glycation end products (RAGE) in human brain astrocytes and peripheral blood mononuclear cells. <i>Molecular Immunology</i> , <b>2004</b> , 40, 1203-11	4.3	116
85	Increased levels of HMGB1 and pro-inflammatory cytokines in children with febrile seizures. <i>Journal of Neuroinflammation</i> , <b>2011</b> , 8, 135	10.1	96
84	Interactions between Shh, Sostdc1 and Wnt signaling and a new feedback loop for spatial patterning of the teeth. <i>Development (Cambridge)</i> , <b>2011</b> , 138, 1807-16	6.6	91
83	Drug-loaded gold plasmonic nanoparticles for treatment of multidrug resistance in cancer. <i>Biomaterials</i> , <b>2014</b> , 35, 2272-82	15.6	74
82	The role of high mobility group box 1 in innate immunity. <i>Yonsei Medical Journal</i> , <b>2014</b> , 55, 1165-76	3	72
81	Dual-Mode Nanoparticle Probes for High-Performance Magnetic Resonance and Fluorescence Imaging of Neuroblastoma. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 8340-8342	3.6	67

80	Artificial control of cell signaling and growth by magnetic nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5698-702	16.4	62
79	Identification of lipopolysaccharide-binding peptide regions within HMGB1 and their effects on subclinical endotoxemia in a mouse model. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 2753-62	6.1	56
78	Non-histone nuclear factor HMGB1 is phosphorylated and secreted in colon cancers. <i>Laboratory Investigation</i> , <b>2009</b> , 89, 948-59	5.9	52
77	Expression of fas ligand in human hepatoma cell lines: role of hepatitis-B virus X (HBX) in induction of Fas ligand. <i>International Journal of Cancer</i> , <b>1999</b> , 82, 587-91	7.5	47
76	Glycyrrhizin, inhibitor of high mobility group box-1, attenuates monocrotaline-induced pulmonary hypertension and vascular remodeling in rats. <i>Respiratory Research</i> , <b>2014</b> , 15, 148	7.3	43
75	Expression of Fas-related genes in human hepatocellular carcinomas. <i>Cancer Letters</i> , <b>1998</b> , 134, 155-62	9.9	42
74	Aptamer-functionalized capacitance sensors for real-time monitoring of bacterial growth and antibiotic susceptibility. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 164-170	11.8	40
73	Real-time monitoring of 3D cell culture using a 3D capacitance biosensor. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 56-61	11.8	39
72	Chaperone-like activity of high-mobility group box 1 protein and its role in reducing the formation of polyglutamine aggregates. <i>Journal of Immunology</i> , <b>2013</b> , 190, 1797-806	5.3	36
71	Double-stranded RNA mediates interferon regulatory factor 3 activation and interleukin-6 production by engaging Toll-like receptor 3 in human brain astrocytes. <i>Immunology</i> , <b>2008</b> , 124, 480-8	7.8	35
70	Association of genetic variations in CCR5 and its ligand, RANTES with clearance of hepatitis B virus in Korea. <i>Journal of Medical Virology</i> , <b>2006</b> , 78, 1564-71	19.7	35
69	Extraordinary Transmission-based Plasmonic Nanoarrays for Axially Super-Resolved Cell Imaging. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 48-55	8.1	34
68	Structural basis for arginine glycosylation of host substrates by bacterial effector proteins. <i>Nature Communications</i> , <b>2018</b> , 9, 4283	17.4	33
67	Advanced glycation end products impair NLRP3 inflammasome-mediated innate immune responses in macrophages. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 20437-20448	5.4	32
66	HMGB1 Binds to Lipoteichoic Acid and Enhances TNF- $\alpha$ and IL-6 Production through HMGB1-Mediated Transfer of Lipoteichoic Acid to CD14 and TLR2. <i>Journal of Innate Immunity</i> , <b>2015</b> , 7, 405-16	6.9	32
65	Immunological Significance of HMGB1 Post-Translational Modification and Redox Biology. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1189	8.4	32
64	High mobility group box-1 is phosphorylated by protein kinase C zeta and secreted in colon cancer cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 424, 321-6	3.4	31
63	N-linked glycosylation plays a crucial role in the secretion of HMGB1. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 29-38	5.3	30

62	High-Mobility Group Box 1-Induced Complement Activation Causes Sterile Inflammation. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 705	8.4	27
61	Distinguishing between apoptosis and necrosis using a capacitance sensor. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 2586-91	11.8	27
60	Peptide mimotopes of pneumococcal capsular polysaccharide of 6B serotype: a peptide mimotope can bind to two unrelated antibodies. <i>Journal of Immunology</i> , <b>2002</b> , 168, 6273-8	5.3	26
59	Preparation of interconnected porous chitosan scaffolds by sodium acetate particulate leaching. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2011</b> , 22, 1319-29	3.5	23
58	HMGB1 modulates the balance between senescence and apoptosis in response to genotoxic stress. <i>FASEB Journal</i> , <b>2019</b> , 33, 10942-10953	0.9	21
57	Peroxiredoxin-mediated disulfide bond formation is required for nucleocytoplasmic translocation and secretion of HMGB1 in response to inflammatory stimuli. <i>Redox Biology</i> , <b>2019</b> , 24, 101203	11.3	20
56	CKD712, (S)-1-(Ephaphthylmethyl)-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline, inhibits the lipopolysaccharide-stimulated secretion of HMGB1 by inhibiting PI3K and classical protein kinase C. <i>International Immunopharmacology</i> , <b>2011</b> , 11, 1160-5	5.8	20
55	Capacitance-based assay for real-time monitoring of endocytosis and cell viability. <i>Lab on A Chip</i> , <b>2012</b> , 12, 2377-84	7.2	19
54	Fourier optics along a hybrid optical fiber for Bessel-like beam generation and its applications in multiple-particle trapping. <i>Optics Letters</i> , <b>2012</b> , 37, 623-5	3	18
53	Over-expression of S100B protein in children with cerebral palsy or delayed development. <i>Brain and Development</i> , <b>2004</b> , 26, 190-6	2.2	17
52	Complement C1q stimulates the progression of hepatocellular tumor through the activation of discoidin domain receptor 1. <i>Scientific Reports</i> , <b>2018</b> , 8, 4908	4.9	15
51	Surface plasmon-enhanced nanoscopy of intracellular cytoskeletal actin filaments using random nanodot arrays. <i>Optics Express</i> , <b>2014</b> , 22, 27695-706	3.3	15
50	Programmed death-1 (PD-1) gene polymorphisms lodged in the genetic predispositions of Kawasaki Disease. <i>European Journal of Pediatrics</i> , <b>2010</b> , 169, 181-5	4.1	15
49	Neisseria Meningitidis Detection Based on a Microcalorimetric Biosensor With a Split-Flow Microchannel. <i>Journal of Microelectromechanical Systems</i> , <b>2008</b> , 17, 590-598	2.5	15
48	Cloning of TLR3 isoform. <i>Yonsei Medical Journal</i> , <b>2004</b> , 45, 359-61	3	15
47	Peptide mimotopes of Neisseria meningitidis group B capsular polysaccharide. <i>Yonsei Medical Journal</i> , <b>2004</b> , 45, 755-8	3	15
46	Detection of IFN- $\gamma$ for latent tuberculosis diagnosis using an anodized aluminum oxide-based capacitive sensor. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 51, 366-70	11.8	14
45	Venom peptides from solitary hunting wasps induce feeding disorder in lepidopteran larvae. <i>Peptides</i> , <b>2011</b> , 32, 568-72	3.8	14

44	Immunoglobulin V(H) chain gene analysis of peripheral blood IgM-producing B cells in patients with Kawasaki disease. <i>Yonsei Medical Journal</i> , <b>2009</b> , 50, 493-504	3	14
43	Crossed fiber optic Bessel beams for curvilinear optofluidic transport of dielectric particles. <i>Optics Express</i> , <b>2013</b> , 21, 23021-9	3.3	13
42	Anti-idiotypic antibody as a potential candidate vaccine for Neisseria meningitidis serogroup B. <i>Infection and Immunity</i> , <b>2005</b> , 73, 6399-406	3.7	13
41	Secretory autophagy machinery and vesicular trafficking are involved in HMGB1 secretion. <i>Autophagy</i> , <b>2021</b> , 17, 2345-2362	10.2	13
40	Ceramide increases Fas-mediated apoptosis in glioblastoma cells through FLIP down-regulation. <i>Journal of Neuro-Oncology</i> , <b>2002</b> , 60, 135-41	4.8	12
39	Effect of pregabalin administration upon reperfusion in a rat model of hyperglycemic stroke: Mechanistic insights associated with high-mobility group box 1. <i>PLoS ONE</i> , <b>2017</b> , 12, e0171147	3.7	11
38	Reactive oxygen species induce Cys106-mediated anti-parallel HMGB1 dimerization that protects against DNA damage. <i>Redox Biology</i> , <b>2021</b> , 40, 101858	11.3	11
37	Serum Synuclein and IL-1 $\beta$ are increased and correlated with measures of disease severity in children with epilepsy: potential prognostic biomarkers?. <i>BMC Neurology</i> , <b>2020</b> , 20, 85	3.1	10
36	Inflachromene inhibits autophagy through modulation of Beclin 1 activity. <i>Journal of Cell Science</i> , <b>2018</b> , 131,	5.3	10
35	The effect of bortezomib on expression of inflammatory cytokines and survival in a murine sepsis model induced by cecal ligation and puncture. <i>Yonsei Medical Journal</i> , <b>2015</b> , 56, 112-23	3	10
34	High mobility group nucleosomal binding domain 2 (HMGN2) SUMOylation by the SUMO E3 ligase PIAS1 decreases the binding affinity to nucleosome core particles. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 20000-11	5.4	9
33	Cyanoacrylate adhesives curable to flexible polymeric materials by poly(l-lactide-co- $\epsilon$ -caprolactone). <i>Materials Letters</i> , <b>2010</b> , 64, 2438-2440	3.3	8
32	Production and characterization of peptide mimotopes of phenolic glycolipid-I of Mycobacterium leprae. <i>FEMS Immunology and Medical Microbiology</i> , <b>2004</b> , 41, 51-7		8
31	Two novel mutations of Wiskott-Aldrich syndrome: the molecular prediction of interaction between the mutated WASP L101P with WASP-interacting protein by molecular modeling. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2004</b> , 1690, 134-40	6.9	8
30	Association Analysis of Interleukin-1 $\beta$ , Interleukin-6, and HMGB1 Variants with Postictal Serum Cytokine Levels in Children with Febrile Seizure and Generalized Epilepsy with Febrile Seizure Plus. <i>Journal of Clinical Neurology (Korea)</i> , <b>2019</b> , 15, 555-563	1.7	8
29	A Genetic Screen Reveals Novel Targets to Render Sensitive to Lysozyme and Cell Wall-Targeting Antibiotics. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 59	5.9	7
28	Carbon nanotube-based biosensor for detection of matrix metalloproteinase-9 and S-100B. <i>Current Applied Physics</i> , <b>2009</b> , 9, e270-e272	2.6	7
27	Vertical capacitance aptasensors for real-time monitoring of bacterial growth and antibiotic susceptibility in blood. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 143, 111623	11.8	6

26	Human brain astrocytes mediate TRAIL-mediated apoptosis after treatment with IFN-gamma. <i>Yonsei Medical Journal</i> , <b>2006</b> , 47, 354-8	3	6
25	High-Mobility Group Box 1 Is Associated with the Inflammatory Pathogenesis of GravesU Orbitopathy. <i>Thyroid</i> , <b>2019</b> , 29, 868-878	6.2	5
24	Artificial Control of Cell Signaling and Growth by Magnetic Nanoparticles. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 5834-5838	3.6	5
23	Increased serum levels of macrophage migration inhibitory factor in patients with Kawasaki disease. <i>Scandinavian Journal of Rheumatology</i> , <b>2007</b> , 36, 222-5	1.9	5
22	An intracellular antibody can suppress tumorigenicity in hepatitis B virus X-expressing cells. <i>Cancer Immunology, Immunotherapy</i> , <b>2006</b> , 55, 569-78	7.4	5
21	Electrical antimicrobial susceptibility testing based on aptamer-functionalized capacitance sensor array for clinical isolates. <i>Scientific Reports</i> , <b>2020</b> , 10, 13709	4.9	5
20	Characterization of Escherichia coli K1 colominic acid-specific murine antibodies that are cross-protective against Neisseria meningitidis groups B, C, and Y. <i>Molecular Immunology</i> , <b>2014</b> , 59, 142-53	4.3	4
19	Development of monoclonal antibodies against human IRF-5 and their use in identifying the binding of IRF-5 to nuclear import proteins karyopherin-alpha1 and -beta1. <i>Yonsei Medical Journal</i> , <b>2008</b> , 49, 1023-31	3	4
18	Detection of phenolic glycolipid I of Mycobacterium leprae and antibodies to the antigen in sera from leprosy patients and their contacts. <i>Yonsei Medical Journal</i> , <b>1988</b> , 29, 219-24	3	4
17	Sulfatide Inhibits HMGB1 Secretion by Hindering Toll-Like Receptor 4 Localization Within Lipid Rafts. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1305	8.4	3
16	Disordered Nanocomposite Islands for Nanospeckle Illumination Microscopy in Wide-Field Super-Resolution Imaging. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100211	8.1	3
15	Plasmon-enhanced fluorescence correlation spectroscopy for super-localized detection of nanoscale subcellular dynamics. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 184, 113219	11.8	3
14	Dielectric imaging for differentiation between cancer and inflammation in vivo. <i>Scientific Reports</i> , <b>2017</b> , 7, 13137	4.9	2
13	CKD-712, (S)-1-(Ephaphthylmethyl)-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline, Inhibits the NF- $\kappa$ B Activation and Augments Akt Activation during TLR4 Signaling. <i>Immune Network</i> , <b>2011</b> , 11, 420-3	6.1	2
12	HMGB1 orchestrates STING-mediated senescence via TRIM30 modulation in cancer cells. <i>Cell Death Discovery</i> , <b>2021</b> , 7, 28	6.9	2
11	Structural analysis of fungal pathogenicity-related casein kinase $\beta$ subunit, Cka1, in the human fungal pathogen Cryptococcus neoformans. <i>Scientific Reports</i> , <b>2019</b> , 9, 14398	4.9	1
10	Canagliflozin protects against cisplatin-induced acute kidney injury by AMPK-mediated autophagy in renal proximal tubular cells.. <i>Cell Death Discovery</i> , <b>2022</b> , 8, 12	6.9	1
9	Inflammasome-Dependent Peroxiredoxin 2 Secretion Induces the Classical Complement Pathway Activation. <i>Immune Network</i> , <b>2021</b> , 21, e36	6.1	1

8	Serotypes and Antimicrobial Susceptibility of Streptococcus pneumoniae. <i>Korean Journal of Pediatric Infectious Diseases</i> , <b>2003</b> , 10, 159		1
7	Association of Tumor Necrosis Factor- $\beta$ Gene Promotor Variant, Not Interleukin-10, with Febrile Seizures and Genetic Epilepsy with Febrile Seizure Plus. <i>Annals of Child Neurology</i> , <b>2019</b> , 27, 38-45	0.2	1
6	The collagen structure of C1q induces wound healing by engaging discoidin domain receptor 2. <i>Molecular Medicine</i> , <b>2021</b> , 27, 125	6.2	0
5	Current Understanding of HMGB1-mediated Autophagy. <i>Journal of Bacteriology and Virology</i> , <b>2013</b> , 43, 148	0.3	
4	Localization of intracellular monoclonal antibody specific for mycobacteria in experimentally induced pulmonary tuberculous lesion. <i>International Archives of Allergy and Immunology</i> , <b>1995</b> , 106, 113-7	3.7	
3	Disordered Nanocomposite Islands for Nanospeckle Illumination Microscopy in Wide-Field Super-Resolution Imaging (Advanced Optical Materials 15/2021). <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2170058	8.1	
2	Monoclonal antibodies with various reactivity to p58 killer inhibitory receptors. <i>Hybridoma</i> , <b>1999</b> , 18, 521-7		
1	Identification of highly selective type II kinase inhibitors with chiral peptidomimetic tails.. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2022</b> , 37, 1257-1277	5.6	