Dong Eun Kim

List of Publications by Year
in descending order

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Version: 2024-02-01

200 papers	5,690 citations	61984 43 h-index	106344 65 g-index

204 all docs	204 docs citations	204 times ranked	8872 citing authors

#	Article	IF	Citations
1	A Grapheneâ€Based Platform for the Assay of Duplexâ€DNA Unwinding by Helicase. Angewandte Chemie - International Edition, 2010, 49, 5703-5707.	13.8	218
2	Combined CSL and p53 downregulation promotes cancer-associated fibroblast activation. Nature Cell Biology, 2015, 17, 1193-1204.	10.3	170
3	Mechanism of DNA Adsorption and Desorption on Graphene Oxide. Langmuir, 2014, 30, 12587-12595.	3.5	154
4	Natural derivatives of curcumin attenuate the Wnt/Î²-catenin pathway through down-regulation of the transcriptional coactivator p300. Biochemical and Biophysical Research Communications, 2008, 377, 1304-1308.	2.1	136
5	Fluorometric Detection of MicroRNA Using Isothermal Gene Amplification and Graphene Oxide. Analytical Chemistry, 2016, 88, 2999-3003.	6.5	126
6	RNA aptamer-conjugated liposome as an efficient anticancer drug delivery vehicle targeting cancer cells in vivo. Journal of Controlled Release, 2014, 196, 234-242.	9.9	123
7	Isolation of inhibitory RNA aptamers against severe acute respiratory syndrome (SARS) coronavirus NTPase/Helicase. Biochemical and Biophysical Research Communications, 2008, 366, 738-744.	2.1	118
8	Isothermal DNA amplification in vitro: the helicase-dependent amplification system. Cellular and Molecular Life Sciences, 2009, 66, 3325-3336.	5.4	116
9	Small molecule-based disruption of the Axin/Î²-catenin protein complex regulates mesenchymal stem cell differentiation. Cell Research, 2012, 22, 237-247.	12.0	113
10	Hexachlorophene Inhibits Wnt/Î²-Catenin Pathway by Promoting Siah-Mediated Î²-Catenin Degradation. Molecular Pharmacology, 2006, 70, 960-966.	2.3	112
11	Desorption of single-stranded nucleic acids from graphene oxide by disruption of hydrogen bonding. Analyst, The, 2013, 138, 1745.	3.5	111
12	Cross-Catalytic Replication of an RNA Ligase Ribozyme. Chemistry and Biology, 2004, 11, 1505-1512.	6.0	103
13	T7 DNA Helicase: A Molecular Motor that Processively and Unidirectionally Translocates Along Single-stranded DNA. Journal of Molecular Biology, 2002, 321, 807-819.	4.2	98
14	Protein-kinase-C-mediated Î²-catenin phosphorylation negatively regulates the Wnt/Î²-catenin pathway. Journal of Cell Science, 2006, 119, 4702-4709.	2.0	95
15	A high ATP concentration enhances the cooperative translocation of the SARS coronavirus helicase nsP13 in the unwinding of duplex RNA. Scientific Reports, 2020, 10, 4481.	3.3	91
16	Withaferin A inhibits JAK/STAT3 signaling and induces apoptosis of human renal carcinoma Caki cells. Biochemical and Biophysical Research Communications, 2012, 427, 24-29.	2.1	85
17	Mechanochemistry of T7 DNA Helicase. Journal of Molecular Biology, 2005, 350, 452-475.	4.2	83
18	Evaluation of generations 2, 3 and 4 arginine modified PAMAM dendrimers for gene delivery. International Journal of Pharmaceutics, 2008, 363, 199-205.	5.2	76

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19	Ursolic acid and its natural derivative corosolic acid suppress the proliferation of APC-mutated colon cancer cells through promotion of Î²-catenin degradation. Food and Chemical Toxicology, 2014, 67, 87-95.	3.6	74
20	Deoxyribozyme-loaded nano-graphene oxide for simultaneous sensing and silencing of the hepatitis C virus gene in liver cells. Chemical Communications, 2013, 49, 8241.	4.1	72
21	Cooperative translocation enhances the unwinding of duplex DNA by SARS coronavirus helicase nsP13. Nucleic Acids Research, 2010, 38, 7626-7636.	14.5	69
22	Galactosylated Liposomes for Targeted Co-Delivery of Doxorubicin/Vimentin siRNA to Hepatocellular Carcinoma. Nanomaterials, 2016, 6, 141.	4.1	67
23	Functional delivery of DNAzyme with iron oxide nanoparticles for hepatitis C virus gene knockdown. Biomaterials, 2012, 33, 2754-2761.	11.4	66
24	Facile synthesis of monodispersed silica-coated magnetic nanoparticles. Journal of Industrial and Engineering Chemistry, 2014, 20, 2646-2649.	5.8	65
25	Discovery of Hepatitisâ€…C Virus NS3 Helicase Inhibitors by a Multiplexed, Highâ€Throughput Helicase Activity Assay Based on Graphene Oxide. Angewandte Chemie - International Edition, 2013, 52, 2340-2344.	13.8	64
26	Isoeugenol suppression of inducible nitric oxide synthase expression is mediated by down-regulation of NF-ÎºB, ERK1/2, and p38 kinase. European Journal of Pharmacology, 2007, 576, 151-159.	3.5	63
27	Cardamonin suppresses melanogenesis by inhibition of Wnt/Î²-catenin signaling. Biochemical and Biophysical Research Communications, 2009, 390, 500-505.	2.1	63
28	Investigation of the pharmacophore space of Severe Acute Respiratory Syndrome coronavirus (SARS-CoV) NTPase/helicase by dihydroxychromone derivatives. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 4538-4541.	2.2	62
29	2,6-Bis-arylmethyloxy-5-hydroxychromones with antiviral activity against both hepatitis C virus (HCV) and SARS-associated coronavirus (SCV). European Journal of Medicinal Chemistry, 2011, 46, 5698-5704.	5.5	61
30	Applications of Cancer Cell-Specific Aptamers in Targeted Delivery of Anticancer Therapeutic Agents. Molecules, 2018, 23, 830.	3.8	61
31	A WUSCHEL Homeobox Transcription Factor, OsWOX13, Enhances Drought Tolerance and Triggers Early Flowering in Rice. Molecules and Cells, 2018, 41, 781-798.	2.6	60
32	Decursin Suppresses Human Androgen-Independent PC3 Prostate Cancer Cell Proliferation by Promoting the Degradation of Î²-Catenin. Molecular Pharmacology, 2007, 72, 1599-1606.	2.3	56
33	Diclofenac attenuates Wnt/Î²-catenin signaling in colon cancer cells by activation of NF-ÎºB. FEBS Letters, 2005, 579, 4213-4218.	2.8	55
34	Autophagy and KRT8/keratin 8 protect degeneration of retinal pigment epithelium under oxidative stress. Autophagy, 2017, 13, 248-263.	9.1	55
35	NOX4-mediated ROS production induces apoptotic cell death via down-regulation of c-FLIP and Mcl-1 expression in combined treatment with thioridazine and curcumin. Redox Biology, 2017, 13, 608-622.	9.0	53
36	A Grapheneâ€Based Platform for the Assay of Duplexâ€DNA Unwinding by Helicase. Angewandte Chemie, 2010, 122, 5839-5843.	2.0	51

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37	Mechanochemistry of Transcription Termination Factor Rho. Molecular Cell, 2006, 22, 611-621.	9.7	49
38	Aryl diketoacids (ADK) selectively inhibit duplex DNA-unwinding activity of SARS coronavirus NTPase/helicase. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1636-1638.	2.2	49
39	Rolling circle amplification as isothermal gene amplification in molecular diagnostics. Biochip Journal, 2016, 10, 262-271.	4.9	49
40	Multilayer Ag-Embedded Silica Nanostructure as a Surface-Enhanced Raman Scattering-Based Chemical Sensor with Dual-Function Internal Standards. ACS Applied Materials & Interfaces, 2018, 10, 40748-40755.	8.0	49
41	Facilitated Tau Degradation by USP14 Aptamers via Enhanced Proteasome Activity. Scientific Reports, 2015, 5, 10757.	3.3	48
42	Selection of an Antiviral RNA Aptamer Against Hemagglutinin of the Subtype H5 Avian Influenza Virus. Nucleic Acid Therapeutics, 2011, 21, 395-402.	3.6	47
43	Proteasome Inhibitors with Pyrazole Scaffolds from Structure-Based Virtual Screening. Journal of Medicinal Chemistry, 2015, 58, 2036-2041.	6.4	45
44	Polyethylene Glycol-Engrafted Graphene Oxide as Biocompatible Materials for Peptide Nucleic Acid Delivery into Cells. Bioconjugate Chemistry, 2018, 29, 528-537.	3.6	45
45	Development of RNA aptamers for detection of Salmonella Enteritidis. Journal of Microbiological Methods, 2012, 89, 79-82.	1.6	44
46	Aptamer-conjugated nano-liposome for immunogenic chemotherapy with reversal of immunosuppression. Journal of Controlled Release, 2022, 348, 893-910.	9.9	41
47	Galangin Suppresses the Proliferation of Î²-Catenin Response Transcription-Positive Cancer Cells by Promoting Adenomatous Polyposis Coli/Axin/Glycogen Synthase Kinase-3Î²-Independent Î²-Catenin Degradation. Molecular Pharmacology, 2011, 79, 1014-1022.	2.3	40
48	Activation of p53 with Ilimaquinone and Ethylsmenoquinone, Marine Sponge Metabolites, Induces Apoptosis and Autophagy in Colon Cancer Cells. Marine Drugs, 2015, 13, 543-557.	4.6	40
49	An RNA Aptamer That Specifically Binds to the Glycosylated Hemagglutinin of Avian Influenza Virus and Suppresses Viral Infection in Cells. PLoS ONE, 2014, 9, e97574.	2.5	40
50	Chemical Approach for Specific Enrichment and Mass Analysis of Nitrated Peptides. Analytical Chemistry, 2009, 81, 6620-6626.	6.5	37
51	An amino acid at position 142 in nitrilase from Rhodococcus rhodochrous ATCC 33278 determines the substrate specificity for aliphatic and aromatic nitriles. Biochemical Journal, 2008, 415, 401-407.	3.7	35
52	Kocuria gwangalliensis sp. nov., an actinobacterium isolated from seawater. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 2769-2772.	1.7	35
53	Anti-MUC1/CD44 Dual-Aptamer-Conjugated Liposomes for Cotargeting Breast Cancer Cells and Cancer Stem Cells. ACS Applied Bio Materials, 2019, 2, 4622-4633.	4.6	35
54	Stimulation of protein kinase Câ€Î± suppresses colon cancer cell proliferation by downâ€regulation of Î²â€catenin. Journal of Cellular and Molecular Medicine, 2009, 13, 2171-2180.	3.6	33

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55	Convergent roles of ATF3 and CSL in chromatin control of cancer-associated fibroblast activation. Journal of Experimental Medicine, 2017, 214, 2349-2368.	8.5	33
56	The Kinetic Pathway of RNA Binding to the Escherichia coli Transcription Termination Factor Rho. Journal of Biological Chemistry, 2001, 276, 13902-13910.	3.4	32
57	Purification and characterization of the recombinant arylsulfatase cloned from Pseudoalteromonas carrageenovora. Protein Expression and Purification, 2005, 39, 107-115.	1.3	32
58	Ilimaquinone and Ethylsmenoquinone, Marine Sponge Metabolites, Suppress the Proliferation of Multiple Myeloma Cells by Down-Regulating the Level of Î²-Catenin. Marine Drugs, 2014, 12, 3231-3244.	4.6	32
59	Inhibitory RNA Aptamers of Tau Oligomerization and Their Neuroprotective Roles against Proteotoxic Stress. Molecular Pharmaceutics, 2016, 13, 2039-2048.	4.6	32
60	Thioridazine enhances sensitivity to carboplatin in human head and neck cancer cells through downregulation of c-FLIP and Mcl-1 expression. Cell Death and Disease, 2017, 8, e2599-e2599.	6.3	31
61	Fluorometric detection of influenza viral RNA using graphene oxide. Analytical Biochemistry, 2018, 561-562, 66-69.	2.4	30
62	Assembly of Plasmonic and Magnetic Nanoparticles with Fluorescent Silica Shell Layer for Tri-functional SERS-Magnetic-Fluorescence Probes and Its Bioapplications. Scientific Reports, 2018, 8, 13938.	3.3	30
63	FRET-based probing to gain direct information on siRNA sustainability in live cells: Asymmetric degradation of siRNA strands. Molecular BioSystems, 2011, 7, 2110.	2.9	29
64	Chloroquine enhances TRAIL-mediated apoptosis through up-regulation of DR5 by stabilization of mRNA and protein in cancer cells. Scientific Reports, 2016, 6, 22921.	3.3	29
65	6-Shogaol enhances renal carcinoma Caki cells to TRAIL-induced apoptosis through reactive oxygen species-mediated cytochrome c release and down-regulation of c-FLIP(L) expression. Chemico-Biological Interactions, 2015, 228, 69-78.	4.0	28
66	WP1130 Enhances TRAIL-Induced Apoptosis through USP9X-Dependent miR-708-Mediated Downregulation of c-FLIP. Cancers, 2019, 11, 344.	3.7	27
67	Multi-Quantum Dots-Embedded Silica-Encapsulated Nanoparticle-Based Lateral Flow Assay for Highly Sensitive Exosome Detection. Nanomaterials, 2021, 11, 768.	4.1	27
68	Transcription Termination Factor Rho Contains Three Noncatalytic Nucleotide Binding Sites. Journal of Biological Chemistry, 1999, 274, 11623-11628.	3.4	26
69	Silibinin induces apoptosis of HT29 colon carcinoma cells through early growth response-1 (EGR-1)-mediated non-steroidal anti-inflammatory drug-activated gene-1 (NAG-1) up-regulation. Chemico-Biological Interactions, 2014, 211, 36-43.	4.0	26
70	Fluorescence-based detection of single-nucleotide changes in RNA using graphene oxide and DNAzyme. Chemical Communications, 2015, 51, 5641-5644.	4.1	26
71	Highly sensitive near-infrared SERS nanoprobes for in vivo imaging using gold-assembled silica nanoparticles with controllable nanogaps. Journal of Nanobiotechnology, 2022, 20, 130.	9.1	26
72	Stimulation of protein kinase C-ÃŽÂ± suppresses colon cancer cell proliferation by down-regulation of ÃŽÂ²-catenin. Journal of Cellular and Molecular Medicine, 2009, 13, 2171-2180.	3.6	25

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73	Suppression of interleukin-2 gene expression by isoeugenol is mediated through down-regulation of NF-AT and NF-Î¹B. International Immunopharmacology, 2007, 7, 1251-1258.	3.8	24
74	A simple PCR-based fluorometric system for detection of mutant fusion DNAs using a quencher-free fluorescent DNA probe and graphene oxide. Chemical Communications, 2015, 51, 6960-6963.	4.1	23
75	Hispidulin Inhibits Mast Cell-Mediated Allergic Inflammation through Down-Regulation of Histamine Release and Inflammatory Cytokines. Molecules, 2019, 24, 2131.	3.8	23
76	Expression of glucocorticoid receptor mRNAs in glucocorticoid-resistant nasal polyps. Experimental and Molecular Medicine, 2006, 38, 466-473.	7.7	22
77	Nucleotide Binding Induces Conformational Changes in Escherichia coli Transcription Termination Factor Rho. Journal of Biological Chemistry, 2004, 279, 18370-18376.	3.4	21
78	Identification of the catalytic subunit of acetohydroxyacid synthase in Haemophilus influenzae and its potent inhibitors. Archives of Biochemistry and Biophysics, 2007, 466, 24-30.	3.0	21
79	Purification of a fibrinolytic enzyme (myulchikinase) from pickled anchovy and its cytotoxicity to the tumor cell lines. Biotechnology Letters, 2004, 26, 393-397.	2.2	20
80	Facile Method for Development of Ligandâ€Patterned Substrates Induced by a Chemical Reaction. Chemistry - A European Journal, 2011, 17, 5804-5807.	3.3	20
81	High-mobility group box-1 protein induces mucin 8 expression through the activation of the JNK and PI3K/Akt signal pathways in human airway epithelial cells. Biochemical and Biophysical Research Communications, 2012, 421, 436-441.	2.1	20
82	A graphene oxide-based platform for the assay of RNA synthesis by RNA polymerase using a fluorescent peptide nucleic acid probe. Chemical Communications, 2013, 49, 9203.	4.1	20
83	Pulsatile plasma filtration and cell-free DNA amplification using a water-head-driven point-of-care testing chip. Lab on A Chip, 2018, 18, 915-922.	6.0	20
84	Inhibition kinetics of mushroom tyrosinase by copper-chelating ammonium tetrathiomolybdate. Biochimica Et Biophysica Acta - General Subjects, 2005, 1726, 115-120.	2.4	19
85	Facilitation of polymerase chain reaction with thermostable inorganic pyrophosphatase from hyperthermophilic archaeon Pyrococcus horikoshii. Applied Microbiology and Biotechnology, 2010, 85, 807-812.	3.6	19
86	Withaferin A induces apoptosis through the generation of thiol oxidation in human head and neck cancer cells. International Journal of Molecular Medicine, 2015, 35, 247-252.	4.0	19
87	Functionalized Î²-Cyclodextrin Immobilized on Ag-Embedded Silica Nanoparticles as a Drug Carrier. International Journal of Molecular Sciences, 2019, 20, 315.	4.1	19
88	LMP2 Inhibitors as a Potential Treatment for Alzheimerâ€™s Disease. Journal of Medicinal Chemistry, 2020, 63, 3763-3783.	6.4	19
89	Facilitation of Polymerase Chain Reaction with Poly(ethylene glycol)-Engrafted Graphene Oxide Analogous to a Single-Stranded-DNA Binding Protein. ACS Applied Materials & Interfaces, 2016, 8, 33521-33528.	8.0	18
90	The bacterial endoribonuclease RNase E can cleave RNA in the absence of the RNA chaperone Hfq. Journal of Biological Chemistry, 2019, 294, 16465-16478.	3.4	18

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91	The Mechanism of ATP Hydrolysis at the Noncatalytic Sites of the Transcription Termination Factor Rho. Journal of Biological Chemistry, 1999, 274, 32667-32671.	3.4	17
92	Kinetic Pathway of dTTP Hydrolysis by Hexameric T7 Helicase-Primase in the Absence of DNA. Journal of Biological Chemistry, 2002, 277, 43778-43784.	3.4	17
93	Identification of Novel HCV RNAâ€dependent RNA polymerase Inhibitors Using Pharmacophoreâ€Guided Virtual Screening. Chemical Biology and Drug Design, 2008, 72, 585-591.	3.2	17
94	Detection and quantification of the Bcr/Abl chimeric protein on biochips using LDI-TOF MS. Chemical Communications, 2014, 50, 4831.	4.1	17
95	Label/quencher-free detection of single-nucleotide changes in DNA using isothermal amplification and G-quadruplexes. Analyst, The, 2016, 141, 6503-6506.	3.5	17
96	Inhibitory Effect of Ammonium Tetrathiotungstate on Tyrosinase and Its Kinetic Mechanism. Chemical and Pharmaceutical Bulletin, 2006, 54, 1266-1270.	1.3	16
97	Effects of the aryl linker and the aromatic substituent on the anti-HCV activities of aryl diketoacid (ADK) analogues. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4661-4665.	2.2	16
98	Axl is a novel target of withaferin A in the induction of apoptosis and the suppression of invasion. Biochemical and Biophysical Research Communications, 2014, 451, 455-460.	2.1	16
99	Graphene Oxide Conjugated Magnetic Beads for RNA Extraction. Chemistry - an Asian Journal, 2017, 12, 1883-1888.	3.3	16
100	Cleavage of BCRâ€“ABL transcripts at the T315I point mutation by DNAzyme promotes apoptotic cell death in imatinib-resistant BCRâ€“ABL leukemic cells. Leukemia, 2013, 27, 1650-1658.	7.2	15
101	Fluorometric detection of influenza virus RNA by PCR-coupled rolling circle amplification generating G-quadruplex. Sensors and Actuators B: Chemical, 2017, 251, 894-901.	7.8	15
102	A dual inhibitor of the proteasome catalytic subunits LMP2 and Y attenuates disease progression in mouse models of Alzheimerâ€™s disease. Scientific Reports, 2019, 9, 18393.	3.3	15
103	KRT8 (keratin 8) attenuates necrotic cell death by facilitating mitochondrial fission-mediated mitophagy through interaction with PLEC (plectin). Autophagy, 2021, 17, 3939-3956.	9.1	15
104	Efficient Colorimetric Assay of RNA Polymerase Activity Using Inorganic Pyrophosphatase and Ammonium Molybdate. Bulletin of the Korean Chemical Society, 2009, 30, 2485-2488.	1.9	15
105	Oxidative stress causes Alu RNA accumulation via PIWIL4 sequestration into stress granules. BMB Reports, 2019, 52, 196-201.	2.4	15
106	Apoptotic Cell Imaging Using Phosphatidylserineâ€Specific Receptorâ€Conjugated Ru(bpy)₃²⁺â€Doped Silica Nanoparticles. Small, 2010, 6, 1499-1503.	10.0	14
107	Oligodeoxyribozymes That Cleave Î²-Catenin Messenger RNA Inhibit Growth of Colon Cancer Cells via Reduction of Î²-Catenin Response Transcription. Molecular Cancer Therapeutics, 2010, 9, 1894-1902.	4.1	14
108	Suppression of Hepatitis C Virus Genome Replication in Cells with RNA-Cleaving DNA Enzymes and Short-Hairpin RNA. Oligonucleotides, 2010, 20, 285-296.	2.7	14

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109	Characterization of bacteriophage Ï•Pto-bp6g, a novel phage that lyses Pseudomonas tolaasii causing brown blotch disease in mushrooms. Journal of Microbiological Methods, 2012, 91, 514-519.	1.6	14
110	Comparison of Drug Delivery Efficiency between Doxorubicin Intercalated in <scp>RNA</scp> Aptamer and One Encapsulated in <scp>RNA</scp> Aptamerâ€Conjugated Liposome. Bulletin of the Korean Chemical Society, 2015, 36, 2494-2500.	1.9	14
111	7-O-Arylmethylgalangin as a novel scaffold for anti-HCV agents. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5709-5712.	2.2	13
112	Simple Detection of the IS6110 Sequence of Mycobacterium tuberculosis Complex in Sputum, Based on PCR with Graphene Oxide. PLoS ONE, 2015, 10, e0136954.	2.5	13
113	Rapid visual identification of PCR amplified nucleic acids by centrifugal gel separation: Potential use for molecular point-of-care tests. Biosensors and Bioelectronics, 2016, 79, 829-834.	10.1	13
114	Fluorometric detection of EGFR exon 19 deletion mutation in lung cancer cells using graphene oxide. Analyst, The, 2018, 143, 1797-1804.	3.5	13
115	Maritoclax Enhances TRAIL-Induced Apoptosis via CHOP-Mediated Upregulation of DR5 and miR-708-Mediated Downregulation of cFLIP. Molecules, 2018, 23, 3030.	3.8	13
116	Identification of Highly Conserved SARS-CoV-2 Antigenic Epitopes with Wide Coverage Using Reverse Vaccinology Approach. Viruses, 2021, 13, 787.	3.3	13
117	PDCD4 is a CSL associated protein with a transcription repressive function in cancer associated fibroblast activation. Oncotarget, 2016, 7, 58717-58727.	1.8	13
118	SRSF2 directly inhibits intron splicing to suppresses cassette exon inclusion. BMB Reports, 2017, 50, 423-428.	2.4	12
119	Label-free fluorometric detection of influenza viral RNA by strand displacement coupled with rolling circle amplification. Analyst, The, 2020, 145, 8002-8007.	3.5	12
120	Recent Advances in Surface-Enhanced Raman Scattering Magnetic Plasmonic Particles for Bioapplications. Nanomaterials, 2021, 11, 1215.	4.1	11
121	Cloning, characterization and evaluation of potent inhibitors of Shigella sonnei acetohydroxyacid synthase catalytic subunit. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1825-1831.	2.3	10
122	Sensitive detection of virus with broad dynamic range based on highly bright quantum dot-embedded nanoprobe and magnetic beads. Journal of Industrial and Engineering Chemistry, 2020, 90, 319-326.	5.8	10
123	Polysiphonia japonica extract suppresses the Wnt/Î²-catenin pathway in colon cancer cells by activation of NF-ÎºB. International Journal of Molecular Medicine, 0, , .	4.0	10
124	Homologous Expression and T3SS-Dependent Secretion of TAP-Tagged Xo2276 in Xanthomonas oryzae pv. oryzae Induced by Rice Leaf Extract and Its Direct In Vitro Recognition of Putative Target DNA Sequence. Journal of Microbiology and Biotechnology, 2013, 23, 22-28.	2.1	10
125	Nonenzymatic Hydrogen Peroxide Detection Using Surface-Enhanced Raman Scattering of Goldâ€“Silver Coreâ€“Shell-Assembled Silica Nanostructures. Nanomaterials, 2021, 11, 2748.	4.1	10
126	Bisindoylmaleimide I suppresses adipocyte differentiation through stabilization of intracellular Î²-catenin protein. Biochemical and Biophysical Research Communications, 2008, 367, 195-200.	2.1	9

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127	Detection of single-base mutation in RNA using T4 RNA ligase-based nick-joining or DNAzyme-based nick-generation. Analytical Biochemistry, 2011, 414, 303-305.	2.4	9
128	Dual effects of a CpG-DNAzyme targeting mutant EGFR transcripts in lung cancer cells: TLR9 activation and EGFR downregulation. BMB Reports, 2018, 51, 27-32.	2.4	9
129	Microfluidic chip with movable layers for the manipulation of biochemicals. Lab on A Chip, 2018, 18, 1867-1874.	6.0	9
130	Properties of the ÃŽÂ± subunit of a Chaperonin from the hyperthermophilic CrenarchaeonAeropyrum pernixK1. FEMS Microbiology Letters, 2007, 266, 103-109.	1.8	8
131	Characterization of Acetohydroxyacid Synthase I fromEscherichia coliK-12 and Identification of Its Inhibitors. Bioscience, Biotechnology and Biochemistry, 2010, 74, 2281-2286.	1.3	8
132	Gene expression and characterization of thermostable glutamate decarboxylase from Pyrococcus furiosus. Biotechnology and Bioprocess Engineering, 2013, 18, 375-381.	2.6	8
133	An efficient colorimetric assay for RNA synthesis by viral RNA-dependent RNA polymerases, using thermostable pyrophosphatase. Analytical Biochemistry, 2013, 434, 284-286.	2.4	8
134	Sniffing for Gene-Silencing Efficiency of siRNAs in HeLa Cells in Comparison with That in HEK293T Cells: Correlation Between Knockdown Efficiency and Sustainability of siRNAs Revealed by FRET-Based Probing. Nucleic Acid Therapeutics, 2013, 23, 152-159.	3.6	8
135	Self-assembled Monolayer Mediated Surface Environment Modification of Poly(vinylpyrrolidone)-Coated Hollow Auâ€“Ag Nanoshells for Enhanced Loading of Hydrophobic Drug and Efficient Multimodal Therapy. ACS Applied Materials & Interfaces, 2015, 7, 12789-12796.	8.0	8
136	Upregulation of DR5 and Downregulation of Survivin by IITZ-01, Lysosomotropic Autophagy Inhibitor, Potentiates TRAIL-Mediated Apoptosis in Renal Cancer Cells via Ubiquitin-Proteasome Pathway. Cancers, 2020, 12, 2363.	3.7	8
137	Two O-methyltransferases from Picea abies: characterization and molecular basis of different reactivity. Planta, 2010, 232, 837-844.	3.2	7
138	3-O-Arylmethylgalangin, a novel isostere for anti-HCV 1,3-diketoacids (DKAs). Bioorganic and Medicinal Chemistry, 2010, 18, 7331-7337.	3.0	7
139	Juxtacortical Spots on Fluid-Attenuated Inversion Recovery Images in Cryptogenic Transient Ischemic		

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145	Two different clinical entities of small vessel occlusion in TOAST classification. Clinical Neurology and Neurosurgery, 2013, 115, 1686-1692.	1.4	6
146	Rottlerin induces cyclooxygenase-2 upregulation through an ATF4 and reactive oxygen species-independent pathway in HEI-OC1 cells. Molecular Medicine Reports, 2016, 14, 845-850.	2.4	6
147	Structure-based prediction and identification of 4-epimerization activity of phosphate sugars in class II aldolases. Scientific Reports, 2017, 7, 1934.	3.3	6
148	Fluorometric detection of single-nucleotide mutations using tandem gene amplification. Sensors and Actuators B: Chemical, 2020, 314, 128071.	7.8	6
149	Autophagy down-regulates NLRP3-dependent inflammatory response of intestinal epithelial cells under nutrient deprivation. BMB Reports, 2021, 54, 260-265.	2.4	6
150	Autophagosomeâ€“lysosome fusion is facilitated by plectin-stabilized actin and keratin 8 during macroautophagic process. Cellular and Molecular Life Sciences, 2022, 79, 95.	5.4	6
151	Amplification of an RNA ligase ribozyme under alternating temperature conditions. FEBS Letters, 2008, 582, 2745-2752.	2.8	5
152	BAI, a novel Cdk inhibitor, enhances farnesyltransferase inhibitor LB42708-mediated apoptosis in renal carcinoma cells through the downregulation of Bcl-2 and c-FLIP (L). International Journal of Oncology, 2014, 45, 1680-1690.	3.3	5
153	Surface Modification of a Stable CdSeZnS/ZnS Alloy Quantum Dot for Immunoassay. Journal of Nanomaterials, 2020, 2020, 1-9.	2.7	5
154	Hyperperfusion Syndrome after Carotid Stent-Supported Angioplasty in Patients with Autonomic Dysfunction. Journal of Korean Neurosurgical Society, 2012, 52, 476.	1.2	5
155	ATP Hydrolysis Analysis of Severe Acute Respiratory Syndrome (SARS) Coronavirus Helicase. Bulletin of the Korean Chemical Society, 2009, 30, 1724-1728.	1.9	5
156	Detection of Single Base Mutation Causing Drug-resistance in Leukemia Gene by PNA-directed Clamping PCR. Bulletin of the Korean Chemical Society, 2010, 31, 2077-2080.	1.9	5
157	Detection of SARS-CoV-2 RNA through tandem isothermal gene amplification without reverse transcription. Analytica Chimica Acta, 2022, 1212, 339909.	5.4	5
158	Design and kinetic analysis of hammerhead ribozyme and DNAzyme that specifically cleave TELâ€“AML1 chimeric mRNA. Biochemical and Biophysical Research Communications, 2008, 374, 169-174.	2.1	4
159	Siteâ€specific cleavage of mutant ABL mRNA by DNAzyme is facilitated by peptide nucleic acid binding to RNA substrate. FEBS Letters, 2012, 586, 3865-3869.	2.8	4
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161	Dependence of RIG-I Nucleic Acid-Binding and ATP Hydrolysis on Activation of Type I Interferon Response. Immune Network, 2016, 16, 249.	3.6	4
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