Dal-Hee Min

List of Publications by Year in Descending Order

117 papers	8,058 citations	44 h-index	89 g-index
121 ext. papers	8,764 ext. citations	10.2 avg, IF	6.23 L-index

#	Paper	IF	Citations
117	Nanoparticle delivery of recombinant IL-2 (BALLkine-2) achieves durable tumor control with less systemic adverse effects in cancer immunotherapy. *Biomaterials*, **2021**, 280, 121257	15.6	2
116	Identification of a Direct-Acting Antiviral Agent Targeting RNA Helicase via a Graphene Oxide Nanobiosensor. *ACS Applied Materials & Interfaces*, **2021**, 13, 25715-25726	9.5	2
115	A graphene oxide-based fluorescent nanosensor to identify antiviral agents via a drug repurposing screen. *Biosensors and Bioelectronics*, **2021**, 183, 113208	11.8	4
114	Non-viral, direct neuronal reprogramming from human fibroblast using a polymer-functionalized nanodot. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2021**, 32, 102316	6	2
113	3D Microfluidic Platform and Tumor Vascular Mapping for Evaluating Anti-Angiogenic RNAi-Based Nanomedicine. *ACS Nano*, **2021**, 15, 338-350	16.7	11
112	Fluorometric Viral miRNA Nanosensor for Diagnosis of Productive (Lytic) Human Cytomegalovirus Infection in Living Cells. *ACS Sensors*, **2021**, 6, 815-822	9.2	5
111	Osmium-Tellurium Nanozymes for Pentamodal Combinatorial Cancer Therapy. *ACS Applied Materials & Interfaces*, **2021**, 13, 44124-44135	9.5	3
110	Graphene oxide-based fluorescent biosensors and their biomedical applications in diagnosis and drug discovery. *Chemical Communications*, **2021**, 57, 9820-9833	5.8	5
109	Discovery of direct-acting antiviral agents with a graphene-based fluorescent nanosensor. *Science Advances*, **2020**, 6, eaaz8201	14.3	12
108	Graphene oxide-based molecular diagnostic biosensor for simultaneous detection of Zika and dengue viruses. *2D Materials*, **2020**, 7, 044001	5.9	7
107	Large-Scale 3D Optical Mapping and Quantitative Analysis of Nanoparticle Distribution in Tumor Vascular Microenvironment. *Bioconjugate Chemistry*, **2020**, 31, 1784-1794	6.3	6
106	Nonrecurring Circuit Nanozymatic Enhancement of Hypoxic Pancreatic Cancer Phototherapy Using Speckled Ru-Te Hollow Nanorods. *ACS Nano*, **2020**, 14, 4383-4394	16.7	26
105	A fluorescent nanobiosensor for the facile analysis of mA RNA demethylase activity. *Chemical Communications*, **2020**, 56, 4716-4719	5.8	3
104	RNAi nanotherapy for fibrosis: highly durable knockdown of CTGF/CCN-2 using siRNA-DegradaBALL (LEM-S401) to treat skin fibrotic diseases. *Nanoscale*, **2020**, 12, 6385-6393	7.7	7
103	Environmentally Friendly Synthesis of Au-Te-Clustered Nanoworms via Galvanic Replacement for Wavelength-Selective Combination Cancer Therapy. *ACS Applied Materials & Interfaces*, **2020**, 12, 5511-5519	9.5	4
102	Modus Operandi of Simultaneous Covering Synthesis from Precursor Heterogeneity for Shelled Nanorods for Multipotent Cancer Theranostics. *Advanced Functional Materials*, **2020**, 30, 1907203	15.6	4
101	Enhancing the of Performance of Lithium-Sulfur Batteries through Electrochemical Impregnation of Sulfur in Hierarchical Mesoporous Carbon Nanoparticles. *ChemElectroChem*, **2020**, 7, 3653-3655	4.3	4

100	Intrinsic Peroxidase-Mimicking Ir Nanoplates for Nanozymatic Anticancer and Antibacterial Treatment. *ACS Applied Materials & Interfaces*, **2020**, 12, 41062-41070	9.5	16
99	Plant-Derived Purification, Chemical Synthesis, and In Vitro/In Vivo Evaluation of a Resveratrol Dimer, Viniferin, as an HCV Replication Inhibitor. *Viruses*, **2019**, 11,	6.2	10
98	Direct Monitoring of Cancer-Associated mRNAs in Living Cells to Evaluate the Therapeutic RNAi Efficiency Using Fluorescent Nanosensor. *ACS Sensors*, **2019**, 4, 1174-1179	9.2	3
97	A FRET assay for the quantitation of inhibitors of exonuclease EcoRV by using parchment paper inkjet-printed with graphene oxide and FAM-labelled DNA. *Mikrochimica Acta*, **2019**, 186, 211	5.8	6
96	Hydrothermal Galvanic-Replacement-Tethered Synthesis of Ir-Ag-IrO Nanoplates for Computed Tomography-Guided Multiwavelength Potent Thermodynamic Cancer Therapy. *ACS Nano*, **2019**, 13, 3434-3447	16.7	20
95	Fucoidan-coated coral-like Pt nanoparticles for computed tomography-guided highly enhanced synergistic anticancer effect against drug-resistant breast cancer cells. *Nanoscale*, **2019**, 11, 15173-15183	7.7	25
94	Liposomal co-delivery-based quantitative evaluation of chemosensitivity enhancement in breast cancer stem cells by knockdown of GRP78/CLU. *Journal of Liposome Research*, **2019**, 29, 44-52	6.1	20
93	Development of Dual-Pore Coexisting Branched Silica Nanoparticles for Efficient Gene-Chemo Cancer Therapy. *Small*, **2018**, 14, 1702564	11	17
92	Revisiting of Pd Nanoparticles in Cancer Treatment: All-Round Excellence of Porous Pd Nanoplates in Gene-Thermo Combinational Therapy. *ACS Applied Materials & Interfaces*, **2018**, 10, 13819-13828	9.5	36
91	Barrier to autointegration factor 1, procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3, and splicing factor 3b subunit 4 as early-stage cancer decision markers and drivers of hepatocellular carcinoma. *Hepatology*, **2018**, 67, 1360-1377	11.2	47
90	High-throughput chemical screening to discover new modulators of microRNA expression in living cells by using graphene-based biosensor. *Scientific Reports*, **2018**, 8, 11413	4.9	11
89	Recent Advances in RNA Therapeutics and RNA Delivery Systems Based on Nanoparticles. *Advanced Therapeutics*, **2018**, 1, 1800065	4.9	32
88	Morphology-Controlled Synthesis of Rhodium Nanoparticles for Cancer Phototherapy. *ACS Nano*, **2018**, 12, 6997-7008	16.7	35
87	Synthesis of Fluorescent Au Nanocrystals-Silica Hybrid Nanocomposite (FLASH) with Enhanced Optical Features for Bioimaging and Photodynamic Activity. *Langmuir*, **2018**, 34, 173-178	4	8
86	Synthesis of porous Pd nanoparticles by therapeutic chaga extract for highly efficient tri-modal cancer treatment. *Nanoscale*, **2018**, 10, 19810-19817	7.7	23
85	Design rules for a tunable merged-tip microneedle. *Microsystems and Nanoengineering*, **2018**, 4, 29	7.7	20
84	Synthesis of biologically-active reduced graphene oxide by using fucoidan as a multifunctional agent for combination cancer therapy. *Nanotechnology*, **2018**, 29, 475604	3.4	12
83	Investigation on vascular cytotoxicity and extravascular transport of cationic polymer nanoparticles using perfusable 3D microvessel model. *Acta Biomaterialia*, **2018**, 76, 154-163	10.8	19

82	The interfacing structural effect of Ag/graphene oxide nanohybrid films on surface enhanced Raman scattering. *Nanoscale*, **2017**, 9, 5872-5878	7.7	16
81	Functional manganese dioxide nanosheet for targeted photodynamic therapy and bioimaging in vitro and in vivo. *2D Materials*, **2017**, 4, 025069	5.9	22
80	Highly efficient photocatalytic performances of SnO2-deposited ZnS nanorods based on interfacial charge transfer. *Applied Catalysis B: Environmental*, **2017**, 205, 433-442	21.8	34
79	Synthesis of partially dextran-coated gold nanoworms and anisotropic structure based dual-strategic cargo conjugation for efficient combinational cancer therapy. *Chemical Communications*, **2017**, 53, 1385-1388	5.8	13
78	Highly Efficient and Rapid Neural Differentiation of Mouse Embryonic Stem Cells Based on Retinoic Acid Encapsulated Porous Nanoparticle. *ACS Applied Materials & Interfaces*, **2017**, 9, 34634-34640	9.5	13
77	Facile one-pot photosynthesis of stable Ag@graphene oxide nanocolloid core@shell nanoparticles with sustainable localized surface plasmon resonance properties. *Journal of Materials Chemistry C*, **2017**, 5, 10016-10022	7.1	7
76	Reducing Agent-Assisted Excessive Galvanic Replacement Mediated Seed-Mediated Synthesis of Porous Gold Nanoplates and Highly Efficient Gene-Thermo Cancer Therapy. *ACS Applied Materials & Interfaces*, **2017**, 9, 35268-35278	9.5	26
75	Quantum-dot nanoprobes and AOTF based cross talk eliminated six color imaging of biomolecules in cellular system. *Analytica Chimica Acta*, **2017**, 985, 166-174	6.6	2
74	Emerging Approaches for Graphene Oxide Biosensor. *Analytical Chemistry*, **2017**, 89, 232-248	7.8	84
73	Highly efficient gene silencing and bioimaging based on fluorescent carbon dots in vitro and in vivo. *Nano Research*, **2017**, 10, 503-519	10	50
72	In-depth investigation of the interaction between DNA and nano-sized graphene oxide. *Carbon*, **2016**, 97, 92-98	10.4	46
71	MAP4-regulated dynein-dependent trafficking of BTN3A1 controls the TBK1-IRF3 signaling axis. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14390-14395	11.5	21
70	MicroRNA-Responsive Drug Release System for Selective Fluorescence Imaging and Photodynamic Therapy In Vivo. *Advanced Healthcare Materials*, **2016**, 5, 2386-95	10.1	24
69	Biosensors based on graphene oxide and its biomedical application. *Advanced Drug Delivery Reviews*, **2016**, 105, 275-287	18.5	218
68	In-depth study on the gene silencing capability of silica nanoparticles with different pore sizes: degree and duration of RNA interference. *RSC Advances*, **2016**, 6, 27143-27150	3.7	12
67	A robust and quantitative assay platform for multiplexed, high throughput screening of protein kinase inhibitors. *Chemical Communications*, **2016**, 52, 12112-12115	5.8	9
66	Identification of a resveratrol tetramer as a potent inhibitor of hepatitis C virus helicase. *British Journal of Pharmacology*, **2016**, 173, 191-211	8.6	29
65	A biosensor for the detection of single base mismatches in microRNA. *Chemical Communications*, **2015**, 51, 14597-600	5.8	22

64	Self-assembled Monolayer Mediated Surface Environment Modification of Poly(vinylpyrrolidone)-Coated Hollow Au-Ag Nanoshells for Enhanced Loading of Hydrophobic Drug and Efficient Multimodal Therapy. *ACS Applied Materials & Interfaces*, **2015**, 7, 12789-96	9.5	7
63	Cancer Treatment: Dual-Wavelength Irradiation and Dox Delivery for Cancer Cell Ablation with Photocatalytic Pr Doped TiO2/NGO Hybrid Nanocomposite (Adv. Healthcare Mater. 12/2015). *Advanced Healthcare Materials*, **2015**, 4, 1736-1736	10.1	2
62	The Structural Influence of Graphene Oxide on Its Fragmentation during Laser Desorption/Ionization Mass Spectrometry for Efficient Small-Molecule Analysis. *Chemistry - A European Journal*, **2015**, 21, 7217-23	4.8	38
61	Dual-Wavelength Irradiation and Dox Delivery for -Cancer Cell Ablation with Photocatalytic Pr Doped TiO2 /NGO -Hybrid Nanocomposite. *Advanced Healthcare Materials*, **2015**, 4, 1833-40	10.1	12
60	BSA as additive: A simple strategy for practical applications of PNA in bioanalysis. *Biosensors and Bioelectronics*, **2015**, 69, 167-73	11.8	20
59	Highly precise plasmonic and colorimetric sensor based on enzymatic etching of nanospheres for the detection of blood and urinary glucose. *RSC Advances*, **2015**, 5, 14330-14332	3.7	17
58	Spherically-clustered porous Au-Ag alloy nanoparticle prepared by partial inhibition of galvanic replacement and its application for efficient multimodal therapy. *ACS Nano*, **2015**, 9, 2696-703	16.7	56
57	One-pot synthesis of multifunctional Au@graphene oxide nanocolloid core@shell nanoparticles for Raman bioimaging, photothermal, and photodynamic therapy. *Small*, **2015**, 11, 2527-35	11	103
56	Facile synthesis and intraparticle self-catalytic oxidation of dextran-coated hollow Au-Ag nanoshell and its application for chemo-thermotherapy. *ACS Nano*, **2014**, 8, 467-75	16.7	72
55	Mediating ordered assembly of gold nanorods by controlling droplet evaporation modes for surface enhanced Raman scattering. *RSC Advances*, **2014**, 4, 50091-50096	3.7	21
54	Surface confined successive growth of silver nanoplates on a solid substrate with tunable surface plasmon resonance. *RSC Advances*, **2014**, 4, 6950	3.7	19
53	Graphene oxide for fluorescence-mediated enzymatic activity assays. *Journal of Materials Chemistry B*, **2014**, 2, 2452-2460	7.3	22
52	Mechanistic study of laser desorption/ionization of small molecules on graphene oxide multilayer films. *Langmuir*, **2014**, 30, 12675-83	4	28
51	Highly Biocompatible Carbon Nanodots for Simultaneous Bioimaging and Targeted Photodynamic Therapy In Vitro and In Vivo. *Advanced Functional Materials*, **2014**, 24, 5781-5789	15.6	170
50	Direct, sequence-specific detection of dsDNA based on peptide nucleic acid and graphene oxide without requiring denaturation. *Biosensors and Bioelectronics*, **2014**, 62, 140-4	11.8	34
49	Photodynamic Therapy: Highly Biocompatible Carbon Nanodots for Simultaneous Bioimaging and Targeted Photodynamic Therapy In Vitro and In Vivo (Adv. Funct. Mater. 37/2014). *Advanced Functional Materials*, **2014**, 24, 5774-5774	15.6	3
48	Direct cellular delivery of human proteasomes to delay tau aggregation. *Nature Communications*, **2014**, 5, 5633	17.4	64
47	Deoxyribozyme-loaded nano-graphene oxide for simultaneous sensing and silencing of the hepatitis C virus gene in liver cells. *Chemical Communications*, **2013**, 49, 8241-3	5.8	63

46	Discovery of hepatitis C virus NS3 helicase inhibitors by a multiplexed, high-throughput helicase activity assay based on graphene oxide. *Angewandte Chemie - International Edition*, **2013**, 52, 2340-4	16.4	60
45	A new helicase assay based on graphene oxide for anti-viral drug development. *Molecules and Cells*, **2013**, 35, 269-73	3.5	16
44	Cytoprotective effects of graphene oxide for mammalian cells against internalization of exogenous materials. *Nanoscale*, **2013**, 5, 1669-77	7.7	24
43	Biomedical applications of graphene and graphene oxide. *Accounts of Chemical Research*, **2013**, 46, 2211-24	24.3	1179
42	Desorption of single-stranded nucleic acids from graphene oxide by disruption of hydrogen bonding. *Analyst, The*, **2013**, 138, 1745-9	5	91
41	Prospects and challenges of graphene in biomedical applications. *Advanced Materials*, **2013**, 25, 2258-68	24	497
40	Quantitative and multiplexed microRNA sensing in living cells based on peptide nucleic acid and nano graphene oxide (PANGO). *ACS Nano*, **2013**, 7, 5882-91	16.7	252
39	UV protection of reduced graphene oxide films by TiO2 nanoparticle incorporation. *Nanoscale*, **2013**, 5, 3638-42	7.7	32
38	The effective nuclear delivery of doxorubicin from dextran-coated gold nanoparticles larger than nuclear pores. *Biomaterials*, **2013**, 34, 3503-10	15.6	76
37	Discovery of Hepatitis C Virus NS3 Helicase Inhibitors by a Multiplexed, High-Throughput Helicase Activity Assay Based on Graphene Oxide. *Angewandte Chemie*, **2013**, 125, 2396-2400	3.6	2
36	Functional delivery of DNAzyme with iron oxide nanoparticles for hepatitis C virus gene knockdown. *Biomaterials*, **2012**, 33, 2754-61	15.6	58
35	A simple fluorometric assay for DNA exonuclease activity based on graphene oxide. *Analyst, The*, **2012**, 137, 2024-6	5	39
34	Reshaping nanocrystals for tunable plasmonic substrates. *ACS Applied Materials & Interfaces*, **2012**, 4, 5038-43	9.5	23
33	Fabrication of alternating multilayer films of graphene oxide and carbon nanotube and its application in mechanistic study of laser desorption/ionization of small molecules. *ACS Applied Materials & Interfaces*, **2012**, 4, 2088-95	9.5	36
32	Preparation of the hybrid film of poly(allylamine hydrochloride)-functionalized graphene oxide and gold nanoparticle and its application for laser-induced desorption/ionization of small molecules. *Langmuir*, **2012**, 28, 4453-8	4	45
31	Graphene oxide sheath on Ag nanoparticle/graphene hybrid films as an antioxidative coating and enhancer of surface-enhanced Raman scattering. *ACS Applied Materials & Interfaces*, **2012**, 4, 6545-51	9.5	86
30	Efficient functional delivery of siRNA using mesoporous silica nanoparticles with ultralarge pores. *Small*, **2012**, 8, 1752-61	11	135
29	Suppression of Hepatitis C Viral Genome Replication with RNA-Cleaving Deoxyribozyme **2012**, 429-452		2

28	Facile synthesis of monodispersed mesoporous silica nanoparticles with ultralarge pores and their application in gene delivery. *ACS Nano*, **2011**, 5, 3568-76	16.7	288
27	On-demand electrochemical activation of the click reaction on self-assembled monolayers on gold presenting masked acetylene groups. *Journal of the American Chemical Society*, **2011**, 133, 16718-21	16.4	32
26	A new assay for endonuclease/methyltransferase activities based on graphene oxide. *Analytical Chemistry*, **2011**, 83, 8906-12	7.8	85
25	Synergistic effect of graphene oxide/MWCNT films in laser desorption/ionization mass spectrometry of small molecules and tissue imaging. *ACS Nano*, **2011**, 5, 4550-61	16.7	172
24	Biocompatible reduced graphene oxide prepared by using dextran as a multifunctional reducing agent. *Chemical Communications*, **2011**, 47, 3195-7	5.8	157
23	Quantitation of surface-bound proteins on biochips using MALDI-TOF MS. *Analytical Sciences*, **2011**, 27, 1127-31	1.7	7
22	Facile synthesis of robust and biocompatible gold nanoparticles. *Chemical Communications*, **2010**, 46, 583-5	5.8	40
21	Behaviors of NIH-3T3 fibroblasts on graphene/carbon nanotubes: proliferation, focal adhesion, and gene transfection studies. *ACS Nano*, **2010**, 4, 6587-98	16.7	358
20	Suppression of hepatitis C virus genome replication in cells with RNA-cleaving DNA enzymes and short-hairpin RNA. *Oligonucleotides*, **2010**, 20, 285-96		13
19	Laser desorption/ionization mass spectrometric assay for phospholipase activity based on graphene oxide/carbon nanotube double-layer films. *Journal of the American Chemical Society*, **2010**, 132, 14714-7	16.4	98
18	Influence of surface functionalization on the growth of gold nanostructures on graphene thin films. *Langmuir*, **2010**, 26, 13065-70	4	70
17	The direct growth of gold rods on graphene thin films. *Chemical Communications*, **2010**, 46, 3185-7	5.8	95
16	A graphene-based platform for the assay of duplex-DNA unwinding by helicase. *Angewandte Chemie - International Edition*, **2010**, 49, 5703-7	16.4	207
15	Preparation of scrolled graphene oxides with multi-walled carbon nanotube templates. *Carbon*, **2010**, 48, 4283-4288	10.4	62
14	Mass spectrometry assisted lithography for the patterning of cell adhesion ligands on self-assembled monolayers. *Angewandte Chemie - International Edition*, **2009**, 48, 3507-11	16.4	29
13	Durable large-area thin films of graphene/carbon nanotube double layers as a transparent electrode. *Langmuir*, **2009**, 25, 11302-6	4	182
12	Functional delivery of siRNA in mice using dendriworms. *ACS Nano*, **2009**, 3, 2495-504	16.7	130
11	In vivo tumor cell targeting with "click" nanoparticles. *Bioconjugate Chemistry*, **2008**, 19, 1570-8	6.3	125

10	Protease-triggered unveiling of bioactive nanoparticles. *Small*, **2008**, 4, 1307-12	11	104
9	Nanoparticle self-assembly gated by logical proteolytic triggers. *Journal of the American Chemical Society*, **2007**, 129, 6064-5	16.4	116
8	Targeted quantum dot conjugates for siRNA delivery. *Bioconjugate Chemistry*, **2007**, 18, 1391-6	6.3	325
7	Label-free detection of protein-protein interactions on biochips. *Angewandte Chemie - International Edition*, **2005**, 44, 5480-3	16.4	67
6	Chemical screening by mass spectrometry to identify inhibitors of anthrax lethal factor. *Nature Biotechnology*, **2004**, 22, 717-23	44.5	126
5	Profiling kinase activities by using a peptide chip and mass spectrometry. *Angewandte Chemie - International Edition*, **2004**, 43, 5973-7	16.4	130
4	Peptide arrays: towards routine implementation. *Current Opinion in Chemical Biology*, **2004**, 8, 554-8	9.7	99
3	A method for connecting solution-phase enzyme activity assays with immobilized format analysis by mass spectrometry. *Analytical Chemistry*, **2004**, 76, 3923-9	7.8	57
2	Selective immobilization of proteins to self-assembled monolayers presenting active site-directed capture ligands. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 5048-52	11.5	302
1	Immobile Artificial Metalloproteinase Containing Both Catalytic and Binding Groups. *Journal of the American Chemical Society*, **1998**, 120, 12008-12016	16.4	61