

Dong-Hyun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

3,230
citations

172207

29
h-index

168136

53
g-index

96
all docs

96
docs citations

96
times ranked

5176
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Failure of carbon composite-to-aluminum joints with combined mechanical fastening and adhesive bonding. <i>Composite Structures</i> , 2006, 75, 192-198. | 3.1 | 266 |
| 2 | Large-scale genetic study in East Asians identifies six new loci associated with colorectal cancer risk. <i>Nature Genetics</i> , 2014, 46, 533-542. | 9.4 | 212 |
| 3 | Stable isotope-labeling studies in metabolomics: new insights into structure and dynamics of metabolic networks. <i>Bioanalysis</i> , 2014, 6, 511-524. | 0.6 | 171 |
| 4 | Probing the Metabolic Network in Bloodstream-Form <i>Trypanosoma brucei</i> Using Untargeted Metabolomics with Stable Isotope Labelled Glucose. <i>PLoS Pathogens</i> , 2015, 11, e1004689. | 2.1 | 128 |
| 5 | A CFD study into the influence of unsteady aerodynamic interference on wind turbine surge motion. <i>Renewable Energy</i> , 2016, 90, 204-228. | 4.3 | 112 |
| 6 | Pooled analyses of 13 prospective cohort studies on folate intake and colon cancer. <i>Cancer Causes and Control</i> , 2010, 21, 1919-1930. | 0.8 | 111 |
| 7 | Large-Scale Genome-Wide Association Study of East Asians Identifies Loci Associated With Risk for Colorectal Cancer. <i>Gastroenterology</i> , 2019, 156, 1455-1466. | 0.6 | 111 |
| 8 | The platform pitching motion of floating offshore wind turbine: A preliminary unsteady aerodynamic analysis. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015, 142, 65-81. | 1.7 | 109 |
| 9 | Burden of Total and Cause-Specific Mortality Related to Tobacco Smoking among Adults Aged ≥45 Years in Asia: A Pooled Analysis of 21 Cohorts. <i>PLoS Medicine</i> , 2014, 11, e1001631. | 3.9 | 98 |
| 10 | Identification of Susceptibility Loci and Genes for Colorectal Cancer Risk. <i>Gastroenterology</i> , 2016, 150, 1633-1645. | 0.6 | 97 |
| 11 | Fully coupled aero-hydrodynamic analysis of a semi-submersible FOWT using a dynamic fluid body interaction approach. <i>Renewable Energy</i> , 2016, 92, 244-261. | 4.3 | 96 |
| 12 | Metabolomics Guides Rational Development of a Simplified Cell Culture Medium for Drug Screening against <i>Trypanosoma brucei</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2768-2779. | 1.4 | 88 |
| 13 | TRANSONIC AND LOW-SUPERSONIC AEROELASTIC ANALYSIS OF A TWO-DEGREE-OF-FREEDOM AIRFOIL WITH A FREEPLAY NON-LINEARITY. <i>Journal of Sound and Vibration</i> , 2000, 234, 859-880. | 2.1 | 73 |
| 14 | The coupled dynamic response computation for a semi-submersible platform of floating offshore wind turbine. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015, 147, 104-119. | 1.7 | 72 |
| 15 | Triterpenoids from the Flower of <i>Campsis grandiflora</i> K. Schum. as Human Acyl-CoA: Cholesterol Acyltransferase Inhibitors. <i>Archives of Pharmacal Research</i> , 2005, 28, 550-556. | 2.7 | 68 |
| 16 | Hepatitis B vaccination and reduced risk of primary liver cancer among male adults: a cohort study in Korea. <i>International Journal of Epidemiology</i> , 1998, 27, 316-319. | 0.9 | 61 |
| 17 | Iridoid glycosides isolated from <i>Oldenlandia diffusa</i> inhibit LDL-oxidation. <i>Archives of Pharmacal Research</i> , 2005, 28, 1156-1160. | 2.7 | 57 |
| 18 | A study on the failure detection of composite materials using an acoustic emission. <i>Composite Structures</i> , 2006, 75, 163-169. | 3.1 | 56 |

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|----|--|-----|-----------|
| 19 | Methylenetetrahydrofolate reductase polymorphism, alcohol intake, and risks of colon and rectal cancers in Korea. <i>Cancer Letters</i> , 2004, 216, 199-205. | 3.2 | 55 |
| 20 | Understanding and Interpretation of Case Fatality Rate of Coronavirus Disease 2019. <i>Journal of Korean Medical Science</i> , 2020, 35, e137. | 1.1 | 54 |
| 21 | Gender differences in adiponectin levels and body composition in older adults: Hallym aging study. <i>BMC Geriatrics</i> , 2014, 14, 8. | 1.1 | 53 |
| 22 | Sterol 14 α -demethylase mutation leads to amphotericin B resistance in <i>Leishmania mexicana</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005649. | 1.3 | 43 |
| 23 | Metabolic characterisation of THP-1 macrophage polarisation using LC-MS-based metabolite profiling. <i>Metabolomics</i> , 2020, 16, 33. | 1.4 | 42 |
| 24 | Flavonoids from the flower of <i>Rhododendron yedoense</i> var. <i>Poukhanense</i> and their antioxidant activities. <i>Archives of Pharmacal Research</i> , 2007, 30, 146-150. | 2.7 | 38 |
| 25 | Ergosterol Peroxide from Flowers of <i>Erigeron annuus</i> L. as an Anti-Atherosclerosis Agent. <i>Archives of Pharmacal Research</i> , 2005, 28, 541-545. | 2.7 | 36 |
| 26 | LC-MS-based absolute metabolite quantification: application to metabolic flux measurement in trypanosomes. <i>Metabolomics</i> , 2015, 11, 1721-1732. | 1.4 | 36 |
| 27 | Combining metabolic fingerprinting and footprinting to understand the phenotypic response of HPV16 E6 expressing cervical carcinoma cells exposed to the HIV anti-viral drug lopinavir. <i>Analyst</i> , The, 2010, 135, 1235. | 1.7 | 35 |
| 28 | Relationships between cognitive function and body composition among community-dwelling older adults: a cross-sectional study. <i>BMC Geriatrics</i> , 2017, 17, 259. | 1.1 | 35 |
| 29 | Benzoxaborole treatment perturbs S-adenosyl-L-methionine metabolism in <i>Trypanosoma brucei</i> . <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006450. | 1.3 | 33 |
| 30 | Metabolic characterisation of <i>Magnetospirillum gryphiswaldense</i> MSR-1 using LC-MS-based metabolite profiling. <i>RSC Advances</i> , 2020, 10, 32548-32560. | 1.7 | 33 |
| 31 | Gender Differences in Sleep Disturbance among Elderly Koreans: Hallym Aging Study. <i>Journal of Korean Medical Science</i> , 2016, 31, 1689. | 1.1 | 29 |
| 32 | Nonlinear Aeroelastic Computation of a Wing/Pylon/Finned-Store Using Parallel Computing. <i>AIAA Journal</i> , 2005, 43, 53-62. | 1.5 | 27 |
| 33 | Raman chemical mapping reveals site of action of HIV protease inhibitors in HPV16 E6 expressing cervical carcinoma cells. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 3051-3061. | 1.9 | 27 |
| 34 | Improvement of deposition uniformity in alloy electroforming for revolving parts. <i>International Journal of Machine Tools and Manufacture</i> , 2008, 48, 329-337. | 6.2 | 25 |
| 35 | Quantitative Isotope-Dilution High-Resolution-Mass-Spectrometry Analysis of Multiple Intracellular Metabolites in <i>Clostridium autoethanogenum</i> with Uniformly ¹³ C-Labeled Standards Derived from <i>Spirulina</i> . <i>Analytical Chemistry</i> , 2018, 90, 4470-4477. | 3.2 | 25 |
| 36 | Identification of Novel Loci and New Risk Variant in Known Loci for Colorectal Cancer Risk in East Asians. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 477-486. | 1.1 | 25 |

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|----|--|-----|-----------|
| 37 | The interactive effect of methyl-group diet and polymorphism of methylenetetrahydrofolate reductase on the risk of colorectal cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 622, 14-18. | 0.4 | 24 |
| 38 | Potent Trypanocidal Curcumin Analogs Bearing a Monoenone Linker Motif Act on <i>Trypanosoma brucei</i> by Forming an Adduct with Trypanothione. <i>Molecular Pharmacology</i> , 2015, 87, 451-464. | 1.0 | 24 |
| 39 | Community mental health status six months after the Sewol ferry disaster in Ansan, Korea. <i>Epidemiology and Health</i> , 2015, 37, e2015046. | 0.8 | 24 |
| 40 | Non-destructive characterisation of mesenchymal stem cell differentiation using LC-MS-based metabolite footprinting. <i>Analyst</i> , 2016, 141, 3776-3787. | 1.7 | 23 |
| 41 | Structural Factors of the Middle East Respiratory Syndrome Coronavirus Outbreak as a Public Health Crisis in Korea and Future Response Strategies. <i>Journal of Preventive Medicine and Public Health</i> , 2015, 48, 265-270. | 0.7 | 23 |
| 42 | Vibration characteristics and supersonic flutter of cylindrical composite panels with large thermoelastic deflections. <i>Composite Structures</i> , 2009, 90, 208-216. | 3.1 | 22 |
| 43 | Transonic and Low-Supersonic Aerodynamic Analysis of a Wing with Underpylon/Store. <i>Journal of Aircraft</i> , 2000, 37, 189-192. | 1.7 | 21 |
| 44 | Factors associated with the difference between the incidence and case-fatality ratio of coronavirus disease 2019 by country. <i>Scientific Reports</i> , 2021, 11, 18938. | 1.6 | 21 |
| 45 | Trend of Suicide Rates According to Urbanity among Adolescents by Gender and Suicide Method in Korea, 1997-2012. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 5129-5142. | 1.2 | 20 |
| 46 | Gender Differences in the Prevalence of and Factors Related to Non-Suicidal Self-Injury among Middle and High School Students in South Korea. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5965. | 1.2 | 20 |
| 47 | Mapping the metabolism of five amino acids in bloodstream form <i>Trypanosoma brucei</i> using U-13C-labelled substrates and LC-MS. <i>Bioscience Reports</i> , 2019, 39, . | 1.1 | 17 |
| 48 | Frequency and time domain flutter computations of a wing with oscillating control surface including shock interference effects. <i>Aerospace Science and Technology</i> , 2004, 8, 519-532. | 2.5 | 15 |
| 49 | Improved Extraction Repeatability and Spectral Reproducibility for Liquid Extraction Surface Analysis-Mass Spectrometry Using Superhydrophobic-Superhydrophilic Patterning. <i>Analytical Chemistry</i> , 2018, 90, 6001-6005. | 3.2 | 15 |
| 50 | Aerodynamic Interference Effect of Huge Wind Turbine Blades With Periodic Surge Motions Using Overset Grid-Based Computational Fluid Dynamics Approach. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2015, 137, . | 1.1 | 14 |
| 51 | Effect of acute and short-term dietary fat ingestion on postprandial skeletal muscle protein synthesis rates in middle-aged, overweight, and obese men. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E417-E429. | 1.8 | 14 |
| 52 | Association between Body Fat and Bone Mineral Density in Normal-Weight Middle-Aged Koreans. <i>Korean Journal of Family Medicine</i> , 2019, 40, 100-105. | 0.4 | 14 |
| 53 | Body Composition, Sarcopenia, and Suicidal Ideation in Elderly Koreans: Hallym Aging Study. <i>Journal of Korean Medical Science</i> , 2016, 31, 604. | 1.1 | 13 |
| 54 | Sequential Orbitrap Secondary Ion Mass Spectrometry and Liquid Extraction Surface Analysis-Tandem Mass Spectrometry-Based Metabolomics for Prediction of Brain Tumor Relapse from Sample-Limited Primary Tissue Archives. <i>Analytical Chemistry</i> , 2021, 93, 6947-6954. | 3.2 | 13 |

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|----|---|-----|-----------|
| 55 | Developing a Framework for Pandemic COVID-19 Vaccine Allocation: a Modified Delphi Consensus Study in Korea. <i>Journal of Korean Medical Science</i> , 2021, 36, e166. | 1.1 | 12 |
| 56 | Phospholipid-Gold Nanorods Induce Energy Crisis in MCF-7 Cells: Cytotoxicity Evaluation Using LC-MS-Based Metabolomics Approach. <i>Biomolecules</i> , 2021, 11, 364. | 1.8 | 12 |
| 57 | Single-Cell Metabolic Profiling of Macrophages Using 3D OrbiSIMS: Correlations with Phenotype. <i>Analytical Chemistry</i> , 2022, 94, 9389-9398. | 3.2 | 12 |
| 58 | Vegetable Intake, but Not Fruit Intake, Is Associated with a Reduction in the Risk of Cancer Incidence and Mortality in Middle-Aged Korean Men. <i>Journal of Nutrition</i> , 2015, 145, 1249-1255. | 1.3 | 11 |
| 59 | Untargeted analysis of plasma samples from pre-eclamptic women reveals polar and apolar changes in the metabolome. <i>Metabolomics</i> , 2019, 15, 157. | 1.4 | 11 |
| 60 | Facile Dye-Initiated Polymerization of Lactide-Glycolide Generates Highly Fluorescent Poly(lactic-co-glycolic Acid) for Enhanced Characterization of Cellular Delivery. <i>ACS Macro Letters</i> , 2020, 9, 431-437. | 2.3 | 11 |
| 61 | Serum Levels of Proinflammatory Lipid Mediators and Specialized Proresolving Molecules Are Increased in Patients With Severe Acute Respiratory Syndrome Coronavirus 2 and Correlate With Markers of the Adaptive Immune Response. <i>Journal of Infectious Diseases</i> , 2022, 225, 2142-2154. | 1.9 | 11 |
| 62 | A metabolomics investigation into the effects of HIV protease inhibitors on HPV16 E6 expressing cervical carcinoma cells. <i>Molecular BioSystems</i> , 2014, 10, 398-411. | 2.9 | 10 |
| 63 | A genome-wide association study of copy-number variation identifies putative loci associated with osteoarthritis in Koreans. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 76. | 0.8 | 10 |
| 64 | Nonlinear Aeroelastic Simulation of a Full-Span Aircraft with Oscillating Control Surfaces. <i>Journal of Aerospace Engineering</i> , 2005, 18, 156-167. | 0.8 | 9 |
| 65 | Investigating the intracellular effects of hyperbranched polycation-DNA complexes on lung cancer cells using LC-MS-based metabolite profiling. <i>Molecular Omics</i> , 2019, 15, 77-87. | 1.4 | 9 |
| 66 | Folate, alcohol, ADH1B and ALDH2 and colorectal cancer risk. <i>Public Health Nutrition</i> , 2021, 24, 677-684. | 1.1 | 8 |
| 67 | Origins and Evolution of Social Medicine and Contemporary Social Medicine in Korea. <i>Journal of Preventive Medicine and Public Health</i> , 2017, 50, 141-157. | 0.7 | 8 |
| 68 | Nonlinear Aeroelastic Analysis of an Airfoil Using CFD-Based Indicial Approach. <i>Journal of Aircraft</i> , 2005, 42, 1340-1344. | 1.7 | 7 |
| 69 | Cohort Profile: Community-based prospective cohort from the National Cancer Center, Korea. <i>International Journal of Epidemiology</i> , 2015, 46, dyv302. | 0.9 | 7 |
| 70 | Improving capability of local public hospital and health center against newly emerging infectious diseases after Middle East respiratory syndrome epidemic in Korea. <i>Journal of the Korean Medical Association</i> , 2015, 58, 700. | 0.1 | 7 |
| 71 | Intratumour heterogeneity in microRNAs expression regulates glioblastoma metabolism. <i>Scientific Reports</i> , 2021, 11, 15908. | 1.6 | 7 |
| 72 | Colorectal Cancer Epidemic in Korea. <i>Annals of Coloproctology</i> , 2013, 29, 1. | 0.5 | 7 |

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|----|--|-----|-----------|
| 73 | Women's health during the COVID-19 pandemic. Korean Journal of Women Health Nursing, 2020, 26, 106-108. | 0.2 | 7 |
| 74 | Differences in accuracy of height, weight, and body mass index between self-reported and measured using the 2018 Korea Community Health Survey data. Epidemiology and Health, 2022, 44, e2022024. | 0.8 | 7 |
| 75 | Rates and Related Factors of Progression to Hypertension among Prehypertensive Local Residents Aged 45 or Over in Chuncheon City: Hallym Aging Study from a Community-Based Cross-Sectional Study. Korean Circulation Journal, 2008, 38, 43. | 0.7 | 6 |
| 76 | What role can metabolomics play in the discovery and development of new medicines for infectious diseases?. Bioanalysis, 2015, 7, 629-631. | 0.6 | 6 |
| 77 | Red meat intake, CYP2E1 and PPAR β polymorphisms, and colorectal cancer risk. European Journal of Cancer Prevention, 2019, 28, 304-310. | 0.6 | 6 |
| 78 | Targeting Glutamine Synthesis Inhibits Stem Cell Adipogenesis in Vitro.. Cellular Physiology and Biochemistry, 2020, 54, 917-927. | 1.1 | 6 |
| 79 | Angle-of-Attack Effect on Transonic/Supersonic Aeroelasticity of Wing-Box Model. Journal of Aircraft, 2002, 39, 906-908. | 1.7 | 5 |
| 80 | Generalized Transonic Unsteady Aerodynamics via Computational-Fluid-Dynamics/ Indicial Approach.. AIAA Journal, 2005, 43, 915-917. | 1.5 | 5 |
| 81 | Osteogenic Response of Human Mesenchymal Stem Cells Analysed Using Combined Intracellular and Extracellular Metabolomic Monitoring. Cellular Physiology and Biochemistry, 2021, 55, 311-326. | 1.1 | 5 |
| 82 | Physicochemical and metabolic constraints for thermodynamics-based stoichiometric modelling under mesophilic growth conditions. PLoS Computational Biology, 2021, 17, e1007694. | 1.5 | 5 |
| 83 | Molecular Epidemiology of Colon Cancer. Cancer Research and Treatment, 2004, 36, 93. | 1.3 | 5 |
| 84 | Nonlinear Flutter Characteristics of Composite Missile Wing in Transonic/Low-Supersonic Flows. Journal of Aircraft, 2002, 39, 889-892. | 1.7 | 4 |
| 85 | Metabolite-dependent regulation of gene expression in <i>Trypanosoma brucei</i> . Molecular Microbiology, 2013, 88, 841-845. | 1.2 | 4 |
| 86 | Apo ferritin-Encapsulated Jerantinine A for Transferrin Receptor Targeting and Enhanced Selectivity in Breast Cancer Therapy. ACS Omega, 2022, 7, 21473-21482. | 1.6 | 4 |
| 87 | Analyses of longitudinal effects of gene-environment interactions on plasma C-reactive protein levels: the Hallym Aging Study. Genes and Genomics, 2013, 35, 131-139. | 0.5 | 3 |
| 88 | Effect of interactions between genetic polymorphisms and cigarette smoking on plasma triglyceride levels in elderly Koreans: the Hallym Aging Study. Genes and Genomics, 2015, 37, 173-181. | 0.5 | 2 |
| 89 | Integrated Metabolomics and Transcriptomics Using an Optimised Dual Extraction Process to Study Human Brain Cancer Cells and Tissues. Metabolites, 2021, 11, 240. | 1.3 | 2 |
| 90 | NONLINEAR IMPACT DYNAMIC ANALYSIS AND COMPARISON WITH EXPERIMENTAL DATA FOR THE SKID GEAR. International Journal of Modern Physics B, 2008, 22, 1403-1408. | 1.0 | 1 |

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|----|---|-----|-----------|
| 91 | Interactions of genetic and non-genetic factors on plasma hs-CRP concentration in a Korean community-based cohort study. <i>Genes and Genomics</i> , 2015, 37, 231-239. | 0.5 | 1 |
| 92 | Quercetin intake, MATE1 polymorphism, and metabolic syndrome in Korean population: Hallym aging study. <i>Food Science and Biotechnology</i> , 2016, 25, 1783-1788. | 1.2 | 1 |
| 93 | The Association of Socioeconomic Status and Subjective Dizziness in Elderly Koreans: A Cross Sectional Study from the Korean National Health and Nutrition Examination Survey 2010-2012. <i>Korean Journal of Family Practice</i> , 2017, 7, 465-469. | 0.1 | 1 |
| 94 | Satisfaction with the walking-related environment during COVID-19 in South Korea. <i>PLoS ONE</i> , 2022, 17, e0266183. | 1.1 | 1 |
| 95 | Flow-Induced Vibration Analyses of Stator and Moving Rotor Cascade With Viscosity Effects. , 2007, , . | | 0 |
| 96 | Sociodemographic Factors Related to the Self-Medication on Korean Adult Men. <i>Journal of the Korean Society for Clinical Pharmacology and Therapeutics</i> , 1995, 3, 80. | 0.1 | 0 |