Sang Eun Lee

List of Publications by Year
in descending order

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50 papers	5,042 citations	201385 27 h-index	205818 48 g-index
51 all docs	51 docs citations	51 times ranked	6687 citing authors

#	Article	IF	Citations
1	Sgs1 Helicase and Two Nucleases Dna2 and Exo1 Resect DNA Double-Strand Break Ends. Cell, 2008, 134, 981-994.	13.5	915
2	MMEJ repair of double-strand breaks (directorâ€™s cut): deleted sequences and alternative endings. Trends in Genetics, 2008, 24, 529-538.	2.9	841
3	Saccharomyces Ku70, Mre11/Rad50, and RPA Proteins Regulate Adaptation to G2/M Arrest after DNA Damage. Cell, 1998, 94, 399-409.	13.5	729
4	Yeast Mre11 and Rad1 Proteins Define a Ku-Independent Mechanism To Repair Double-Strand Breaks Lacking Overlapping End Sequences. Molecular and Cellular Biology, 2003, 23, 8820-8828.	1.1	327
5	Microhomology-mediated end joining: Good, bad and ugly. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2018, 809, 81-87.	0.4	175
6	A multicentre cohort study of acute heart failure syndromes in Korea: rationale, design, and interim observations of the Korean Acute Heart Failure (<scp>KorAHF</scp>) registry. European Journal of Heart Failure, 2014, 16, 700-708.	2.9	145
7	Saccharomyces cerevisiae Sae2- and Tel1-Dependent Single-Strand DNA Formation at DNA Break Promotes Microhomology-Mediated End Joining. Genetics, 2007, 176, 2003-2014.	1.2	136
8	Clinical Characteristics and Outcome of Acute Heart Failure in Korea: Results from the Korean Acute Heart Failure Registry (KorAHF). Korean Circulation Journal, 2017, 47, 341.	0.7	131
9	CD82/KAI1 Maintains the Dormancy of Long-Term Hematopoietic Stem Cells through Interaction with DARC-Expressing Macrophages. Cell Stem Cell, 2016, 18, 508-521.	5.2	130
10	Psat1-Dependent Fluctuations in Î±-Ketoglutarate Affect the Timing of ESC Differentiation. Cell Metabolism, 2016, 24, 494-501.	7.2	125
11	Prognostic Significance of The Nadir Prostate Specific Antigen Level After Hormone Therapy for Prostate Cancer. Journal of Urology, 2002, 168, 995-1000.	0.2	105
12	<scp>ATP</scp>â€dependent <scp>DNA</scp> binding, unwinding, and resection by the Mre11/Rad50 complex. EMBO Journal, 2016, 35, 743-758.	3.5	99
13	Comparison Among Drug-Eluting Balloon, Drug-Eluting Stent, and PlainÂBalloon Angioplasty for the Treatment of In-Stent Restenosis. JACC: Cardiovascular Interventions, 2015, 8, 382-394.	1.1	97
14	Microhomology Directs Diverse DNA Break Repair Pathways and Chromosomal Translocations. PLoS Genetics, 2012, 8, e1003026.	1.5	94
15	Core Pluripotency Factors Directly Regulate Metabolism in Embryonic Stem Cell to Maintain Pluripotency. Stem Cells, 2015, 33, 2699-2711.	1.4	89
16	M-CSF from Cancer Cells Induces Fatty Acid Synthase and PPARÎ²/Î´ Activation in Tumor Myeloid Cells, Leading to Tumor Progression. Cell Reports, 2015, 10, 1614-1625.	2.9	72
17	Chronic Kidney Disease in the Second-Generation Drug-Eluting Stent Era. JACC: Cardiovascular Interventions, 2016, 9, 2097-2109.	1.1	61
18	Korean Guidelines for Diagnosis and Management of Chronic Heart Failure. Korean Circulation Journal, 2017, 47, 555.	0.7	56

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19	Efficacy and Tolerability of Fimasartan, a New Angiotensin Receptor Blocker, Compared With Losartan (50/100 mg): A 12-Week, Phase III, Multicenter, Prospective, Randomized, Double-Blind, Parallel-Group, Dose Escalation Clinical Trial With an Optional 12-Week Extension Phase in Adult Korean Patients With Mild-to-Moderate Hypertension. Clinical Therapeutics, 2012, 34, 552-568.e9.	1.1	53
20	Risky business: Microhomology-mediated end joining. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2016, 788, 17-24.	0.4	50
21	Guidelines for DNA recombination and repair studies: Cellular assays of DNA repair pathways. Microbial Cell, 2019, 6, 1-64.	1.4	47
22	Regulation of repair choice: Cdk1 suppresses recruitment of end joining factors at DNA breaks. DNA Repair, 2009, 8, 1235-1241.	1.3	43
23	Prostatic Calculi Do Not Influence The Level of Serum Prostate Specific Antigen in Men Without Clinically Detectable Prostate Cancer or Prostatitis. Journal of Urology, 2003, 170, 745-748.	0.2	40
24	<scp>DNA</scp> end recognition by the Mre11 nuclease dimer: insights into resection and repair of damaged <scp>DNA</scp>. EMBO Journal, 2014, 33, 2422-2435.	3.5	40
25	Physiological and clinical relevance of anomalous right coronary artery originating from left sinus of Valsalva in adults. Heart, 2016, 102, 114-119.	1.2	38
26	Hand Assisted Laparoscopic Radical Nephrectomy: Comparison With Open Radical Nephrectomy. Journal of Urology, 2003, 170, 756-759.	0.2	34
27	Role of Saw1 in Rad1/Rad10 complex assembly at recombination intermediates in budding yeast. EMBO Journal, 2013, 32, 461-472.	3.5	34
28	Hyper-Acetylation of Histone H3K56 Limits Break-Induced Replication by Inhibiting Extensive Repair Synthesis. PLoS Genetics, 2015, 11, e1004990.	1.5	33
29	Microhomology-mediated end joining induces hypermutagenesis at breakpoint junctions. PLoS Genetics, 2017, 13, e1006714.	1.5	31
30	Apn2 resolves blocked 3â€² ends and suppresses Top1-induced mutagenesis at genomic rNMP sites. Nature Structural and Molecular Biology, 2019, 26, 155-163.	3.6	28
31	Sumoylation of the Rad1 nuclease promotes DNA repair and regulates its DNA association. Nucleic Acids Research, 2014, 42, 6393-6404.	6.5	25
32	The efficacy and safety of mechanical hemodynamic support in patients undergoing high-risk percutaneous coronary intervention with or without cardiogenic shock: Bayesian approach network meta-analysis of 13 randomized controlled trials. International Journal of Cardiology, 2015, 184, 36-46.	0.8	25
33	Efficacy of Short-Term High-Dose Statin Pretreatment in Prevention of Contrast-Induced Acute Kidney Injury: Updated Study-Level Meta-Analysis of 13 Randomized Controlled Trials. PLoS ONE, 2014, 9, e111397.	1.1	24
34	Human Podoplanin-positive Monocytes and Platelets Enhance Lymphangiogenesis Through the Activation of the Podoplanin/CLEC-2 Axis. Molecular Therapy, 2014, 22, 1518-1529.	3.7	22
35	KAI1(CD82) is a key molecule to control angiogenesis and switch angiogenic milieu to quiescent state. Journal of Hematology and Oncology, 2021, 14, 148.	6.9	18
36	A Versatile Scaffold Contributes to Damage Survival via Sumoylation and Nuclease Interactions. Cell Reports, 2014, 9, 143-152.	2.9	16

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37	DNA doubleâ€strand breaks as a method of radiation measurements for therapeutic beams. Medical Physics, 2018, 45, 3460-3465.	1.6	14
38	Distinct roles of XPF-ERCC1 and Rad1-Rad10-Saw1 in replication-coupled and uncoupled inter-strand crosslink repair. Nature Communications, 2018, 9, 2025.	5.8	13
39	Harmonizing Optimal Strategy for Treatment of coronary artery diseases â€“ comparison of REDUCtion of prasugrEl dose or POLYmer TECHnology in ACS patients (HOST-REDUCE-POLYTECH-ACS RCT): study protocol for a randomized controlled trial. Trials, 2015, 16, 409.	0.7	12
40	Faithful after break-up: suppression of chromosomal translocations. Cellular and Molecular Life Sciences, 2009, 66, 3149-3160.	2.4	11
41	Discrimination of stress (Takotsubo) cardiomyopathy from acute coronary syndrome with clinical risk factors and coronary evaluation in real-world clinical practice. International Journal of Cardiology, 2017, 235, 154-161.	0.8	11
42	Microhomology Selection for Microhomology Mediated End Joining in Saccharomyces cerevisiae. Genes, 2019, 10, 284.	1.0	11
43	Prognostic Effect of Guideline-Directed Therapy Is More Noticeable Early in the Course of Heart Failure. Journal of Korean Medical Science, 2019, 34, e133.	1.1	11
44	Coordination of Rad1â€“Rad10 interactions with Msh2â€“Msh3, Saw1 and RPA is essential for functional 3â€² non-homologous tail removal. Nucleic Acids Research, 2018, 46, 5075-5096.	6.5	10
45	Development of a Rabbit Model for a Preclinical Comparison of Coronary Stent TypesIn-Vivo. Korean Circulation Journal, 2013, 43, 713.	0.7	6
46	Unraveling New Therapeutic Targets of Coronary Artery Disease by Genetic Approaches. Circulation Journal, 2014, 79, 8-14.	0.7	6
47	A case of renal transitional cell carcinoma associated with synchronous contralateral renal cell carcinoma. Journal of Korean Medical Science, 2001, 16, 108.	1.1	5
48	Prognostic Significance of Left Axis Deviation in Acute Heart Failure Patients with Left Bundle branch block: an Analysis from the Korean Acute Heart Failure (KorAHF) Registry. Korean Circulation Journal, 2018, 48, 1002.	0.7	4
49	Human Resistin in atherosclerosis progression.. Nihon Heikatsukingakkaizassi, 2011, 15, J5-J5.	0.0	0
50	Structureâ€Specific Endonuclease XPFâ€ERCC1 Plays a Critical Role in DNA Interstrand Crosslink Repair that is Compromised in Patients with Fanconi Anemia. FASEB Journal, 2015, 29, 879.3.	0.2	0