

Seisuke Kimura

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5648334/seisuke-kimura-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102
papers

3,521
citations

31
h-index

56
g-index

108
ext. papers

4,241
ext. citations

6.1
avg, IF

5.1
L-index

#	Paper	IF	Citations
102	Ribosome slowdown triggers codon-mediated mRNA decay independently of ribosome quality control.. <i>EMBO Journal</i> , 2022 , e109256	13	1
101	Deceleration of the cell cycle underpins a switch from proliferative to terminal divisions in plant stomatal lineage.. <i>Developmental Cell</i> , 2022 ,	10.2	1
100	Reduction in organ-organ friction is critical for corolla elongation in morning glory. <i>Communications Biology</i> , 2021 , 4, 285	6.7	0
99	Combination of genetic analysis and ancient literature survey reveals the divergence of traditional Brassica rapa varieties from Kyoto, Japan. <i>Horticulture Research</i> , 2021 , 8, 132	7.7	3
98	SOG1, a plant-specific master regulator of DNA damage responses, originated from nonvascular land plants.. <i>Plant Direct</i> , 2021 , 5, e370	3.3	1
97	Reprogramming of the Developmental Program of During Initial Stage of Gall Induction by. <i>Frontiers in Plant Science</i> , 2020 , 11, 471	6.2	11
96	Impact of Autophagy on Gene Expression and Tapetal Programmed Cell Death During Pollen Development in Rice. <i>Frontiers in Plant Science</i> , 2020 , 11, 172	6.2	6
95	Establishment of an Agrobacterium mediated transformation protocol for the detection of cytokinin in the heterophyllous plant Hygrophila difformis (Acanthaceae). <i>Plant Cell Reports</i> , 2020 , 39, 737-750	5.1	3
94	Titanium dioxide nanoparticles (TiO NPs) promote growth and ameliorate salinity stress effects on essential oil profile and biochemical attributes of Dracocephalum moldavica. <i>Scientific Reports</i> , 2020 , 10, 912	4.9	147
93	Root-knot nematodes modulate cell walls during root-knot formation in Arabidopsis roots. <i>Journal of Plant Research</i> , 2020 , 133, 419-428	2.6	4
92	SUPPRESSOR OF GAMMA RESPONSE 1 acts as a regulator coordinating crosstalk between DNA damage response and immune response in Arabidopsis thaliana. <i>Plant Molecular Biology</i> , 2020 , 103, 321-340	4.6	6
91	Molecular Basis for Natural Vegetative Propagation via Regeneration in North American Lake Cress, Rorippa aquatica (Brassicaceae). <i>Plant and Cell Physiology</i> , 2020 , 61, 353-369	4.9	3
90	Molecular and Biochemical Differences in Leaf Explants and the Implication for Regeneration Ability in (Brassicaceae). <i>Plants</i> , 2020 , 9,	4.5	1
89	ERdj3B-Mediated Quality Control Maintains Anther Development at High Temperatures. <i>Plant Physiology</i> , 2020 , 182, 1979-1990	6.6	11
88	Developmental analyses of divarications in leaves of an aquatic fern Microsorium pteropus and its varieties. <i>PLoS ONE</i> , 2019 , 14, e0210141	3.7	2
87	Multichromosomal structure of the onion mitochondrial genome and a transcript analysis. <i>Mitochondrion</i> , 2019 , 46, 179-186	4.9	14
86	Heterophylly: Phenotypic Plasticity of Leaf Shape in Aquatic and Amphibious Plants. <i>Plants</i> , 2019 , 8,	4.5	20

85	Comparative transcriptome analysis of galls from four different host plants suggests the molecular mechanism of gall development. <i>PLoS ONE</i> , 2019 , 14, e0223686	3.7	11
84	Comparative transcriptomics with self-organizing map reveals cryptic photosynthetic differences between two accessions of North American Lake cress. <i>Scientific Reports</i> , 2018 , 8, 3302	4.9	7
83	Chemical hijacking of auxin signaling with an engineered auxin-TIR1 pair. <i>Nature Chemical Biology</i> , 2018 , 14, 299-305	11.7	66
82	Plant Temperature Sensors. <i>Sensors</i> , 2018 , 18,	3.8	21
81	Ser-Gln sites of SOG1 are rapidly hyperphosphorylated in response to DNA double-strand breaks. <i>Plant Signaling and Behavior</i> , 2018 , 13, e1477904	2.5	5
80	A GLABRA1 ortholog on LG A9 controls trichome number in the Japanese leafy vegetables Mizuna and Mibuna (<i>Brassica rapa</i> L. subsp. <i>nipposinica</i> L. H. Bailey): evidence from QTL analysis. <i>Journal of Plant Research</i> , 2017 , 130, 539-550	2.6	4
79	Increased Phosphorylation of Ser-Gln Sites on SUPPRESSOR OF GAMMA RESPONSE1 Strengthens the DNA Damage Response in. <i>Plant Cell</i> , 2017 , 29, 3255-3268	11.6	27
78	Asymmetries in leaf branch are associated with differential speeds along growth axes: A theoretical prediction. <i>Developmental Dynamics</i> , 2017 , 246, 981-991	2.9	4
77	How Do Plants and Phytohormones Accomplish Heterophylly, Leaf Phenotypic Plasticity, in Response to Environmental Cues. <i>Frontiers in Plant Science</i> , 2017 , 8, 1717	6.2	32
76	Transcriptional, posttranscriptional, and posttranslational regulation of SHOOT MERISTEMLESS gene expression in Arabidopsis determines gene function in the shoot apex. <i>Plant Physiology</i> , 2015 , 167, 424-42	6.6	13
75	Leaves may function as temperature sensors in the heterophylly of <i>Rorippa aquatica</i> (Brassicaceae). <i>Plant Signaling and Behavior</i> , 2015 , 10, e1091909	2.5	6
74	A Decrease in Ambient Temperature Induces Post-Mitotic Enlargement of Palisade Cells in North American Lake Cress. <i>PLoS ONE</i> , 2015 , 10, e0141247	3.7	4
73	Detection of the Cell Proliferation Zone in Leaves by Using EdU. <i>Bio-protocol</i> , 2015 , 5,	0.9	9
72	Surface hardening of age-hardenable Cu β i dilute alloys by plasma nitriding. <i>Surface and Coatings Technology</i> , 2014 , 258, 691-698	4.4	11
71	Unraveling low-level gamma radiation--responsive changes in expression of early and late genes in leaves of rice seedlings at Iitate Village, Fukushima. <i>Journal of Heredity</i> , 2014 , 105, 723-38	2.4	32
70	The genome of the stress-tolerant wild tomato species <i>Solanum pennellii</i> . <i>Nature Genetics</i> , 2014 , 46, 1034-8	36.3	269
69	A developmental model for branching morphogenesis of lake cress compound leaf. <i>PLoS ONE</i> , 2014 , 9, e111615	3.7	10
68	Regulation of the KNOX-GA gene module induces heterophyllic alteration in North American lake cress. <i>Plant Cell</i> , 2014 , 26, 4733-48	11.6	60

67	The role of SOG1, a plant-specific transcriptional regulator, in the DNA damage response. <i>Plant Signaling and Behavior</i> , 2014 , 9, e28889	2.5	52
66	Molecular Phylogeny Determined Using Chloroplast DNA Inferred a New Phylogenetic Relationship of <i>Rorippa aquatica</i> (Eaton) EJ Palmer & Steyermark (Brassicaceae) Lake Cress. <i>American Journal of Plant Sciences</i> , 2014 , 05, 48-54	0.5	4
65	Comparative transcriptomics reveals patterns of selection in domesticated and wild tomato. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E2655-62	11.5	260
64	ATM-mediated phosphorylation of SOG1 is essential for the DNA damage response in Arabidopsis. <i>EMBO Reports</i> , 2013 , 14, 817-22	6.5	103
63	Fine genetic mapping of RXopJ4, a bacterial spot disease resistance locus from <i>Solanum pennellii</i> LA716. <i>Theoretical and Applied Genetics</i> , 2013 , 126, 601-9	6	37
62	DNA damage response in plants: conserved and variable response compared to animals. <i>Biology</i> , 2013 , 2, 1338-56	4.9	98
61	Mechanical regulation of auxin-mediated growth. <i>Current Biology</i> , 2012 , 22, 1468-76	6.3	154
60	Toward elucidating the mechanisms that regulate heterophylly. <i>Plant Morphology</i> , 2012 , 24, 57-63	0	18
59	A High-Throughput Method for Illumina RNA-Seq Library Preparation. <i>Frontiers in Plant Science</i> , 2012 , 3, 202	6.2	102
58	Interspecific RNA interference of SHOOT MERISTEMLESS-like disrupts <i>Cuscuta pentagona</i> plant parasitism. <i>Plant Cell</i> , 2012 , 24, 3153-66	11.6	100
57	Coordination of leaf development via regulation of KNOX1 genes. <i>Journal of Plant Research</i> , 2010 , 123, 7-14	2.6	37
56	Natural variation in leaf morphology results from mutation of a novel KNOX gene. <i>Current Biology</i> , 2008 , 18, 672-7	6.3	132
55	Tomato transformation. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5084	1.2	10
54	Grafting tomato plants. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5083	1.2	5
53	How to grow tomatoes. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5081	1.2	8
52	Tomato (<i>Solanum lycopersicum</i>): A Model Fruit-Bearing Crop. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.emo105	1.2	81
51	Crossing tomato plants. <i>Cold Spring Harbor Protocols</i> , 2008 , 2008, pdb.prot5082	1.2	6
50	DmGEN shows a flap endonuclease activity, cleaving the blocked-flap structure and model replication fork. <i>FEBS Journal</i> , 2007 , 274, 3914-27	5.7	15

49	Biochemical properties of a plastidial DNA polymerase of rice. <i>Plant Molecular Biology</i> , 2007 , 64, 601-11	4.6	34
48	A higher plant has three different types of RPA heterotrimeric complex. <i>Journal of Biochemistry</i> , 2006 , 139, 99-104	3.1	40
47	DNA repair in plants. <i>Chemical Reviews</i> , 2006 , 106, 753-66	68.1	128
46	Characterization of four RecQ homologues from rice (<i>Oryza sativa</i> L. cv. Nipponbare). <i>Biochemical and Biophysical Research Communications</i> , 2006 , 345, 1283-91	3.4	15
45	Site-directed mutational analysis of structural interactions of low molecule compounds binding to the N-terminal 8 kDa domain of DNA polymerase beta. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 350, 7-16	3.4	5
44	Higher plant RecA-like protein is homologous to RadA. <i>DNA Repair</i> , 2006 , 5, 80-8	4.3	9
43	Propofol EDTA and reduced incidence of infection. <i>Anaesthesia and Intensive Care</i> , 2006 , 34, 362-8	1.1	16
42	Characterization of T-DNA insertion mutants and RNAi silenced plants of <i>Arabidopsis thaliana</i> UV-damaged DNA binding protein 2 (AtUV-DDB2). <i>Plant Molecular Biology</i> , 2006 , 61, 227-40	4.6	28
41	DNA Repair Mechanisms in UV-B Tolerant Plants. <i>Japan Agricultural Research Quarterly</i> , 2006 , 40, 107-113	5	7
40	The expression of the rice (<i>Oryza sativa</i> L.) homologue of Snm1 is induced by DNA damages. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 329, 668-72	3.4	6
39	Plastid DNA polymerases from higher plants, <i>Arabidopsis thaliana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005 , 334, 43-50	3.4	43
38	Characterization of the origin recognition complex (ORC) from a higher plant, rice (<i>Oryza sativa</i> L.). <i>Gene</i> , 2005 , 353, 23-30	3.8	16
37	Two types of replication protein A in seed plants. <i>FEBS Journal</i> , 2005 , 272, 3270-81	5.7	34
36	Interaction between proliferating cell nuclear antigen (PCNA) and a DnaJ induced by DNA damage. <i>Journal of Plant Research</i> , 2005 , 118, 91-7	2.6	26
35	Cell Cycle Regulation through Ubiquitin/Proteasome-Mediated Proteolysis in Plants. <i>Japan Agricultural Research Quarterly</i> , 2005 , 39, 1-4	0.5	5
34	<i>Arabidopsis</i> COP10 forms a complex with DDB1 and DET1 in vivo and enhances the activity of ubiquitin conjugating enzymes. <i>Genes and Development</i> , 2004 , 18, 2172-81	12.6	159
33	DmGEN, a novel RAD2 family endo-exonuclease from <i>Drosophila melanogaster</i> . <i>Nucleic Acids Research</i> , 2004 , 32, 6251-9	20.1	19
32	DNA repair in higher plants; photoreactivation is the major DNA repair pathway in non-proliferating cells while excision repair (nucleotide excision repair and base excision repair) is active in proliferating cells. <i>Nucleic Acids Research</i> , 2004 , 32, 2760-7	20.1	76

31	Plant DNA polymerase lambda, a DNA repair enzyme that functions in plant meristematic and meiotic tissues. <i>FEBS Journal</i> , 2004 , 271, 2799-807		86
30	Degradation of proliferating cell nuclear antigen by 26S proteasome in rice (<i>Oryza sativa</i> L.). <i>Planta</i> , 2004 , 218, 640-6	4.7	12
29	Expression of flap endonuclease-1 during meiosis in a basidiomycete, <i>Coprinus cinereus</i> . <i>Fungal Genetics and Biology</i> , 2004 , 41, 493-500	3.9	7
28	Characterization of Rad6 from a higher plant, rice (<i>Oryza sativa</i> L.) and its interaction with Sgt1, a subunit of the SCF ubiquitin ligase complex. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 314, 434-9	3.4	19
27	Characterization of all the subunits of replication factor C from a higher plant, rice (<i>Oryza sativa</i> L.), and their relation to development. <i>Plant Molecular Biology</i> , 2003 , 53, 15-25	4.6	21
26	OsSEND-1: a new RAD2 nuclease family member in higher plants. <i>Plant Molecular Biology</i> , 2003 , 51, 59-70.	4.6	27
25	Interaction between proliferating cell nuclear antigen and JUN-activation-domain-binding protein 1 in the meristem of rice, <i>Oryza sativa</i> L. <i>Planta</i> , 2003 , 217, 175-83	4.7	7
24	<i>Coprinus cinereus</i> DNA ligase I during meiotic development. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2003 , 1627, 47-55		9
23	Rice UV-damaged DNA binding protein homologues are most abundant in proliferating tissues. <i>Gene</i> , 2003 , 308, 79-87	3.8	30
22	Functional characterization of two flap endonuclease-1 homologues in rice. <i>Gene</i> , 2003 , 314, 63-71	3.8	25
21	Spatial distribution of the 26S proteasome in meristematic tissues and primordia of rice (<i>Oryza sativa</i> L.). <i>Planta</i> , 2002 , 214, 703-7	4.7	11
20	Proliferating cell nuclear antigen from a basidiomycete, <i>Coprinus cinereus</i> . Alternative truncation and expression in meiosis. <i>FEBS Journal</i> , 2002 , 269, 164-74		14
19	A novel DNA polymerase homologous to <i>Escherichia coli</i> DNA polymerase I from a higher plant, rice (<i>Oryza sativa</i> L.). <i>Nucleic Acids Research</i> , 2002 , 30, 1585-92	20.1	55
18	Characterization of DNA polymerase delta from a higher plant, rice (<i>Oryza sativa</i> L.). <i>Gene</i> , 2002 , 295, 19-26	3.8	26
17	Characterization of plant proliferating cell nuclear antigen (PCNA) and flap endonuclease-1 (FEN-1), and their distribution in mitotic and meiotic cell cycles. <i>Plant Journal</i> , 2001 , 28, 643-53	6.9	41
16	Characterization of β helix structures in polypeptides, revealed by ^{13}C α - ^1H ^15N hydrogen bond lengths determined by ^{13}C REDOR NMR. <i>Journal of Molecular Structure</i> , 2001 , 562, 197-203	3.4	11
15	Two types of replication protein A 70 kDa subunit in rice, <i>Oryza sativa</i> : molecular cloning, characterization, and cellular & tissue distribution. <i>Gene</i> , 2001 , 272, 335-43	3.8	47
14	A plant homologue of 36 kDa subunit of replication factor C: molecular cloning and characterization. <i>Plant Science</i> , 2001 , 161, 99-106	5.3	7

13	Plant homologue of flap endonuclease-1: molecular cloning, characterization, and evidence of expression in meristematic tissues. <i>Plant Molecular Biology</i> , 2000 , 42, 415-27	4.6	34
12	Molecular cloning and characterization of a plant homologue of the origin recognition complex 1 (ORC1). <i>Plant Science</i> , 2000 , 158, 33-39	5.3	26
11	Tropomodulin isolated from rabbit skeletal muscle inhibits filament formation of actin in the presence of tropomyosin and troponin. <i>FEBS Journal</i> , 1999 , 263, 396-401		6
10	An ATP-inhibited endonuclease from cauliflower (<i>Brassica oleracea</i> var. botrytis) inflorescence: purification and characterization. <i>Planta</i> , 1998 , 206, 641-648	4.7	7
9	Purification and characterization of a 100 kDa DNA polymerase from cauliflower inflorescence. <i>Biochemical Journal</i> , 1998 , 332 (Pt 2), 557-63	3.8	26
8	A structure-specific endonuclease from cauliflower (<i>Brassica oleracea</i> var. botrytis) inflorescence. <i>Nucleic Acids Research</i> , 1997 , 25, 4970-6	20.1	21
7	Analgesic effect of intrathecally administered nociceptin, an opioid receptor-like1 receptor agonist, in the rat formalin test. <i>Neuroscience</i> , 1997 , 81, 249-54	3.9	116
6	A new meiotic endonuclease from <i>Coprinus</i> meiocytes. <i>BBA - Proteins and Proteomics</i> , 1997 , 1342, 205-16		13
5	A case of bullous pemphigoid with antidesmoplakin autoantibodies. <i>British Journal of Dermatology</i> , 1994 , 131, 694-9	4	29
4	The natural history of acute disseminated leukoencephalitis. A serial magnetic resonance imaging study. <i>Neuropediatrics</i> , 1992 , 23, 192-5	1.6	8
3	Characterization and localization of alpha-connectin (titin 1): an elastic protein isolated from rabbit skeletal muscle. <i>Journal of Muscle Research and Cell Motility</i> , 1992 , 13, 39-47	3.5	37
2	Isolation of alpha-connectin, an elastic protein, from rabbit skeletal muscle. <i>Journal of Biochemistry</i> , 1989 , 106, 952-4	3.1	20
1	Metabolism of Glucosylsucrose and Maltosylsucrose by <i>Streptococcus mutans</i> . <i>Caries Research</i> , 1980 , 14, 239-247	4.2	10