

# Shinya Matsuura

## List of Publications by Year in descending order

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66  
papers

4,617  
citations

186265

28  
h-index

110387

64  
g-index

68  
all docs

68  
docs citations

68  
times ranked

6788  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutations of optineurin in amyotrophic lateral sclerosis. <i>Nature</i> , 2010, 465, 223-226.	27.8	1,097
2	Positional cloning of the gene for Nijmegen breakage syndrome. <i>Nature Genetics</i> , 1998, 19, 179-181.	21.4	302
3	NBS1 Localizes to $\gamma$ -H2AX Foci through Interaction with the FHA/BRCT Domain. <i>Current Biology</i> , 2002, 12, 1846-1851.	3.9	272
4	Nbs1 is essential for DNA repair by homologous recombination in higher vertebrate cells. <i>Nature</i> , 2002, 420, 93-98.	27.8	263
5	YAP is essential for tissue tension to ensure vertebrate 3D body shape. <i>Nature</i> , 2015, 521, 217-221.	27.8	237
6	Repeating pattern of non-RVD variations in DNA-binding modules enhances TALEN activity. <i>Scientific Reports</i> , 2013, 3, 3379.	3.3	195
7	Efficient TALEN construction and evaluation methods for human cell and animal applications. <i>Genes To Cells</i> , 2013, 18, 315-326.	1.2	190
8	Nijmegen breakage syndrome gene, NBS1, and molecular links to factors for genome stability. <i>Oncogene</i> , 2002, 21, 8967-8980.	5.9	177
9	NBS1 and its functional role in the DNA damage response. <i>DNA Repair</i> , 2004, 3, 855-861.	2.8	163
10	MonoallelicBUB1B mutations and defective mitotic-spindle checkpoint in seven families with premature chromatid separation (PCS) syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2006, 140A, 358-367.	1.2	144
11	The Forkhead-associated Domain of NBS1 Is Essential for Nuclear Foci Formation after Irradiation but Not Essential for hRAD50A-hMRE11A-NBS1 Complex DNA Repair Activity. <i>Journal of Biological Chemistry</i> , 2001, 276, 12-15.	3.4	131
12	The Microtubule-Depolymerizing Activity of a Mitotic Kinesin Protein KIF2A Drives Primary Cilia Disassembly Coupled with Cell Proliferation. <i>Cell Reports</i> , 2015, 10, 664-673.	6.4	128
13	Mutations of a novel human RAD54 homologue, RAD54B, in primary cancer. <i>Oncogene</i> , 1999, 18, 3422-3426.	5.9	120
14	Chromosomal Instability Syndrome of Total Premature Chromatid Separation with Mosaic Variegated Aneuploidy Is Defective in Mitotic-Spindle Checkpoint. <i>American Journal of Human Genetics</i> , 2000, 67, 483-486.	6.2	80
15	Nucleolin Participates in DNA Double-Strand Break-Induced Damage Response through MDC1-Dependent Pathway. <i>PLoS ONE</i> , 2012, 7, e49245.	2.5	63
16	Genetic Mapping Using Microcell-Mediated Chromosome Transfer Suggests a Locus for Nijmegen Breakage Syndrome at Chromosome 8q21-24. <i>American Journal of Human Genetics</i> , 1997, 60, 1487-1494.	6.2	62
17	Homologous recombination repair is regulated by domains at the N- and C-terminus of NBS1 and is dissociated with ATM functions. <i>Oncogene</i> , 2007, 26, 6002-6009.	5.9	58
18	NBS1 Recruits RAD18 via a RAD6-like Domain and Regulates Pol $\delta$ -Dependent Translesion DNA Synthesis. <i>Molecular Cell</i> , 2011, 43, 788-797.	9.7	55

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19	Insufficiency of BUBR1, a mitotic spindle checkpoint regulator, causes impaired ciliogenesis in vertebrates. <i>Human Molecular Genetics</i> , 2011, 20, 2058-2070.	2.9	52
20	TALEN-mediated single-base-pair editing identification of an intergenic mutation upstream of <i>BUB1B</i> as causative of PCS (MVA) syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1461-1466.	7.1	52
21	Nijmegen breakage syndrome and DNA double strand break repair by NBS1 complex. <i>Advances in Biophysics</i> , 2004, 38, 65-80.	0.5	49
22	Two unrelated patients with MRE11A mutations and Nijmegen breakage syndrome-like severe microcephaly. <i>DNA Repair</i> , 2011, 10, 314-321.	2.8	49
23	TopBP1 associates with NBS1 and is involved in homologous recombination repair. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 872-879.	2.1	48
24	BubR1 localizes to centrosomes and suppresses centrosome amplification via regulating Plk1 activity in interphase cells. <i>Oncogene</i> , 2009, 28, 2806-2820.	5.9	47
25	Zinc-finger nuclease-mediated targeted insertion of reporter genes for quantitative imaging of gene expression in sea urchin embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10915-10920.	7.1	40
26	Expression of Full-Length NBS1 Protein Restores Normal Radiation Responses in Cells from Nijmegen Breakage Syndrome Patients. <i>Biochemical and Biophysical Research Communications</i> , 1999, 265, 716-721.	2.1	36
27	Insufficiency of ciliary cholesterol in hereditary Zellweger syndrome. <i>EMBO Journal</i> , 2020, 39, e103499.	7.8	35
28	HpSulf, a heparan sulfate 6-O-endosulfatase, is involved in the regulation of VEGF signaling during sea urchin development. <i>Mechanisms of Development</i> , 2010, 127, 235-245.	1.7	33
29	PLK1-mediated phosphorylation of WDR62/MCPH2 ensures proper mitotic spindle orientation. <i>Human Molecular Genetics</i> , 2017, 26, 4429-4440.	2.9	32
30	Cytoplasmic, but not nuclear, p16 expression may signal poor prognosis in high-grade astrocytomas. <i>Journal of Neuro-Oncology</i> , 2006, 77, 273-277.	2.9	31
31	Histone H2AX participates the DNA damage-induced ATM activation through interaction with NBS1. <i>Biochemical and Biophysical Research Communications</i> , 2009, 380, 752-757.	2.1	27
32	WRN participates in translesion synthesis pathway through interaction with NBS1. <i>Mechanisms of Ageing and Development</i> , 2010, 131, 436-444.	4.6	26
33	NBS1 regulates a novel apoptotic pathway through Bax activation. <i>DNA Repair</i> , 2008, 7, 1705-1716.	2.8	25
34	The Nijmegen breakage syndrome gene and its role in genome stability. <i>Chromosoma</i> , 2004, 113, 53-61.	2.2	24
35	Evaluation of ATM heterozygous mutations underlying individual differences in radiosensitivity using genome editing in human cultured cells. <i>Scientific Reports</i> , 2017, 7, 5996.	3.3	18
36	Inhibitory action of (âˆ“)epigallocatechin gallate on radiation-induced mouse oncogenic transformation. <i>Cancer Letters</i> , 1997, 112, 135-139.	7.2	17

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37	Sequence Analysis of an 800-kb Genomic DNA Region on Chromosome 8q21 That Contains the Nijmegen Breakage Syndrome Gene, NBS1. <i>Genomics</i> , 1999, 55, 242-247.	2.9	17
38	R352Q mutation of the DHCR7 gene is common among Japanese Smithâ€“Lemliâ€“Opitz syndrome patients. <i>Journal of Human Genetics</i> , 2005, 50, 353-356.	2.3	16
39	Combined BubR1 protein downâ€“regulation and <i>RASSF1A</i> hypermethylation in Wilms tumors with diverse cytogenetic changes. <i>Molecular Carcinogenesis</i> , 2008, 47, 660-666.	2.7	16
40	Exome sequencing reveals a novel MRE11 mutation in a patient with progressive myoclonic ataxia. <i>Journal of the Neurological Sciences</i> , 2014, 337, 219-223.	0.6	16
41	Nijmegen breakage syndrome and DNA double strand break repair by NBS1 complex. <i>Advances in Biophysics</i> , 2004, 38, 65-80.	0.5	16
42	p16 gene transfer increases cell killing with abnormal nucleation after ionising radiation in glioma cells. <i>British Journal of Cancer</i> , 2003, 89, 1802-1811.	6.4	15
43	Four novel mutations of the Fanconi anemia group A gene (FAA) in Japanese patients. <i>Journal of Human Genetics</i> , 1999, 44, 48-51.	2.3	14
44	Exploration of genetic basis underlying individual differences in radiosensitivity within human populations using genome editing technology. <i>Journal of Radiation Research</i> , 2018, 59, ii75-ii82.	1.6	11
45	Studies of Mutagenesis Caused by Low Dose Rate Tritium Radiation Using a Novel Hyper-Sensitive Detection System. <i>Fusion Science and Technology</i> , 2002, 41, 413-416.	1.1	10
46	Induction of somatic mutations by low-dose X-rays: the challenge in recognizing radiation-induced events. <i>Journal of Radiation Research</i> , 2018, 59, ii11-ii17.	1.6	10
47	Premature aging syndrome showing random chromosome number instabilities with CDC20 mutation. <i>Aging Cell</i> , 2020, 19, e13251.	6.7	10
48	Cell Cycle and LET Dependence for Radiation-induced Mutation. A Possible Mechanism for Reversed Dose-rate Effect.. <i>Journal of Radiation Research</i> , 1999, 40, 45-52.	1.6	9
49	Neutron Generator (HIRRAC) and Dosimetry Study.. <i>Journal of Radiation Research</i> , 1999, 40, 14-20.	1.6	9
50	Combined immunodeficiency, chromosomal instability, and postnatal growth deficiency in a Japanese girl. <i>American Journal of Medical Genetics Part A</i> , 2001, 100, 9-12.	2.4	9
51	Absence of <i>Ku70</i> Gene Obliterates X-Ray-Induced <i>lacZ</i> Mutagenesis of Small Deletions in Mouse Tissues. <i>Radiation Research</i> , 2008, 170, 216-223.	1.5	9
52	Japanese family with an autosomal dominant chromosome instability syndrome: A new neurodegenerative disease?. <i>American Journal of Medical Genetics Part A</i> , 2000, 94, 265-270.	2.4	8
53	NBS1 Prevents Chromatid-Type Aberrations through ATM-Dependent Interactions with SMC1. <i>Radiation Research</i> , 2008, 170, 345-352.	1.5	8
54	Updated summary of genome editing technology in human cultured cells linked to human genetics studies. <i>Journal of Human Genetics</i> , 2018, 63, 133-143.	2.3	6

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55	Albatross/FBF1 contributes to both centriole duplication and centrosome separation. <i>Genes To Cells</i> , 2018, 23, 1023-1042.	1.2	6
56	Applications of Genome Editing Technology in Research on Chromosome Aneuploidy Disorders. <i>Cells</i> , 2020, 9, 239.	4.1	5
57	iPSC reprogramming-mediated aneuploidy correction in autosomal trisomy syndromes. <i>PLoS ONE</i> , 2022, 17, e0264965.	2.5	4
58	Sporadic neonatal Fanconi's anemia with VACTERL association. <i>Pediatrics International</i> , 2010, 52, 141-142.	0.5	3
59	A novel CDK-independent function of p27Kip1 in preciliary vesicle trafficking during ciliogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 716-722.	2.1	3
60	NBS1 I171V variant underlies individual differences in chromosomal radiosensitivity within human populations. <i>Scientific Reports</i> , 2021, 11, 19661.	3.3	3
61	A polymorphic CA repeat marker at the human 27-kD calbindin (CALB1) locus. <i>Journal of Human Genetics</i> , 1999, 44, 414-415.	2.3	1
62	NBS1 and MRE11 associate for responses to DNA double-strand breaks. <i>International Congress Series</i> , 2007, 1299, 158-163.	0.2	1
63	Imaging of the Ciliary Cholesterol Underlying the Sonic Hedgehog Signal Transduction. <i>Methods in Molecular Biology</i> , 2022, 2374, 49-57.	0.9	1
64	Ciliopathy in PCS (MVA) syndrome. <i>Oncotarget</i> , 2015, 6, 24582-24583.	1.8	1
65	Nijmegen breakage syndrome and DNA double strand break repair by NBS1 complex. <i>Advances in Biophysics</i> , 2004, 38, 65-80.	0.5	1
66	Wilms tumor accompanied by premature chromatid separation. <i>Pediatric Blood and Cancer</i> , 2017, 64, e26255.	1.5	0