

# Takeshi Todo

## List of Publications by Year in descending order

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42  
papers

1,642  
citations

430874

18  
h-index

414414

32  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1938  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new photoreactivating enzyme that specifically repairs ultraviolet light-induced (6-4)photoproducts. <i>Nature</i> , 1993, 361, 371-374.	27.8	289
2	Molecular analysis of zebrafish photolyase/cryptochrome family: two types of cryptochromes present in zebrafish. <i>Genes To Cells</i> , 2000, 5, 725-738.	1.2	178
3	Molecular Evolution of the Photolyase“Blue-Light Photoreceptor Family. <i>Journal of Molecular Evolution</i> , 1997, 45, 535-548.	1.8	145
4	Generation of medaka gene knockout models by target-selected mutagenesis. <i>Genome Biology</i> , 2006, 7, R116.	9.6	137
5	Human Papillomavirus and Cystic Node Metastasis in Oropharyngeal Cancer and Cancer of Unknown Primary Origin. <i>PLoS ONE</i> , 2014, 9, e95364.	2.5	81
6	The Cryptochrome/Photolyase Family in aquatic organisms. <i>Marine Genomics</i> , 2014, 14, 23-37.	1.1	81
7	Electron Nuclear Double Resonance Differentiates Complementary Roles for Active Site Histidines in (6-4) Photolyase. <i>Journal of Biological Chemistry</i> , 2007, 282, 4738-4747.	3.4	80
8	DCRY is aDrosophilaphotoreceptor protein implicated in light entrainment of circadian rhythm. <i>Genes To Cells</i> , 1999, 4, 57-65.	1.2	73
9	High-resolution melting curve analysis for rapid detection of mutations in a Medaka TILLING library. <i>BMC Molecular Biology</i> , 2010, 11, 70.	3.0	62
10	Ovarian aromatase loss-of-function mutant medaka undergo ovary degeneration and partial female-to-male sex reversal after puberty. <i>Molecular and Cellular Endocrinology</i> , 2018, 460, 104-122.	3.2	55
11	ATF6 $\pm$ / $\beta$ <sup>2</sup> -mediated adjustment of ER chaperone levels is essential for development of the notochord in medaka fish. <i>Molecular Biology of the Cell</i> , 2013, 24, 1387-1395.	2.1	51
12	UPR transducer BBF2H7 allows export of type II collagen in a cargo- and developmental stage“specific manner. <i>Journal of Cell Biology</i> , 2017, 216, 1761-1774.	5.2	48
13	Recovery from Age-Related Infertility under Environmental Light-Dark Cycles Adjusted to the Intrinsic Circadian Period. <i>Cell Reports</i> , 2015, 12, 1407-1413.	6.4	47
14	A Positive Role for PERIOD in Mammalian Circadian Gene Expression. <i>Cell Reports</i> , 2014, 7, 1056-1064.	6.4	46
15	Unfolded protein response transducer IRE1-mediated signaling independent of XBP1 mRNA splicing is not required for growth and development of medaka fish. <i>ELife</i> , 2017, 6, .	6.0	39
16	Estrogen receptor 2b is the major determinant of sex-typical mating behavior and sexual preference in medaka. <i>Current Biology</i> , 2021, 31, 1699-1710.e6.	3.9	36
17	Mutagenic and Nonmutagenic Bypass of DNA Lesions byDrosophila DNA Polymerases dpolI <sup>-</sup> and dpolI <sup>1</sup> . <i>Journal of Biological Chemistry</i> , 2001, 276, 15155-15163.	3.4	35
18	Functional Conversion of CPD and (6“4) Photolyases by Mutation. <i>Biochemistry</i> , 2016, 55, 4173-4183.	2.5	20

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19	Photoreactivating Enzyme for (6-4) Photoproducts in Cultured Goldfish Cells. Photochemistry and Photobiology, 1997, 65, 964-968.	2.5	18
20	<i>In Vivo</i> Role of Phosphorylation of Cryptochrome 2 in the Mouse Circadian Clock. Molecular and Cellular Biology, 2014, 34, 4464-4473.	2.3	18
21	Fukushima simulation experiment: assessing the effects of chronic low-dose-rate internal <sup>137</sup> Cs radiation exposure on litter size, sex ratio, and biokinetics in mice. Journal of Radiation Research, 2015, 56, i29-i35.	1.6	16
22	Substrate Assignment of the (6-4) Photolyase Reaction by FTIR Spectroscopy. Journal of Physical Chemistry Letters, 2011, 2, 2774-2777.	4.6	15
23	PREFERENTIAL INHIBITION OF NUCLEOSOME ASSEMBLY BY ULTRAVIOLET-INDUCED (6-4)PHOTOPRODUCTS. Photochemistry and Photobiology, 1995, 61, 459-462.	2.5	11
24	Coulomb and CH <sup>+</sup> interactions in (6-4) photolyase-DNA complex dominate DNA binding and repair abilities. Nucleic Acids Research, 2018, 46, 6761-6772.	14.5	11
25	Cryptochrome-dependent circadian periods in the arcuate nucleus. Neuroscience Letters, 2016, 610, 123-128.	2.1	10
26	ENHANCED SENSITIVITY TO THE LETHAL AND MUTAGENIC EFFECTS OF PHOTSENSITIZING ACTION OF CHLORPROMAZINE IN ETHYLENEDIAMINETETRAACETATE-TREATED ESCHERICHIA COLI. Photochemistry and Photobiology, 1982, 35, 591-592.	2.5	9
27	Structural role of two histidines in the (6-4) photolyase reaction. Biophysics and Physicobiology, 2015, 12, 139-144.	1.0	8
28	p53-Dependent suppression of genome instability in germ cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2014, 760, 24-32.	1.0	7
29	The central clock controls the daily rhythm of Aqp5 expression in salivary glands. Journal of Physiological Sciences, 2018, 68, 377-385.	2.1	6
30	Targeted Inactivation of DNA Photolyase Genes in Medaka Fish ( <i>Oryzias latipes</i> ). Photochemistry and Photobiology, 2017, 93, 315-322.	2.5	4
31	Chemical Synthesis of Oligonucleotides Containing The (6-4) Photoproduct at the Thymine-Cytosine Site and Its Repair By (6-4) Photolyase. Nucleosides & Nucleotides, 1999, 18, 1325-1327.	0.5	3
32	Involvement of Rev1 in alkylating agent-induced loss of heterozygosity in <i>Oryzias latipes</i> . Genes To Cells, 2020, 25, 124-138.	1.2	3
33	1P-267 Light-induced structural changes of photolyase and cryptochrome by FTIR spectroscopy(The Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.1	0
34	2P-214 Photoreaction pathway in zebrafish Cryptochrome-DASH determined by low temperature spectroscopy(Photobiology:Vision & Photoreception,The 47th Annual Meeting of the Biophysical) Tj ETQq0 0 0.1rgBT /Overlock 10 T	0.1	0
35	3P-211 Direct observation of enzymatic (6-4) photoproduct conversion by FTIR spectroscopy(Photobiology:Vision & Photoreception,The 47th Annual Meeting of the Biophysical) Tj ETQq1 1 0.784314rgBT /Over	0.1	0
36	3P271 Circular Dichroism spectra of zebrafish Cryptochrome-DASH(Photobiology: Vision & Photoreception) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.1	0

#	ARTICLE	IF	CITATIONS
37	1P123 Low-temperature FTIR study of photoactivation and photorepair processes of (6-4) photolyase(Nucleic acid binding proteins,The 48th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2010, 50, S41.	0.1	0
38	3Q1458 Comparison of molecular properties between two functionally distinct Cryptochrome-DASH proteins(Photobiology : Vision & Photoreception4,The 49th Annual Meeting of the Biophysical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	0
39	3Q1434 Spectroscopic study of light-dependent activation and DNA repair processes of(Photobiology :) Tj ETQq1 1 0.784314 rgBT /C Butsuri, 2011, 51, S162.	0.1	0
40	Long-Term Rearing of Medaka Aboard ISS to Clarify the Trans-Generation Effects in Vertebrates Induced by Cosmic Ray Irradiation. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2010, 8, Tp_1-Tp_3.	0.2	0
41	DNA Photolyase and Cryptochrome.. Seibutsu Butsuri, 1999, 39, 312-315.	0.1	0
42	OUP accepted manuscript. Journal of Radiation Research, 2022, , .	1.6	0