Mikako Fujita

List of Publications by Year
in descending order

114 papers	2,260 citations	218677 26 h-index	289244 40 g-index
119 all docs	119 docs citations	119 times ranked	1945 citing authors

#	Article	IF	Citations
1	Physiological significance of apoptosis in animal virus infection. Microbes and Infection, 2000, 2, 1111-1117.	1.9	130
2	Generation of HIV-1 derivatives that productively infect macaque monkey lymphoid cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16959-16964.	7.1	111
3	Synthesis and Evaluation of New Pyrazoline Derivatives as Potential Anticancer Agents. Molecules, 2015, 20, 19066-19084.	3.8	74
4	Vpx Is Critical for Reverse Transcription of the Human Immunodeficiency Virus Type 2 Genome in Macrophages. Journal of Virology, 2008, 82, 7752-7756.	3.4	73
5	Design, synthesis and biological evaluation of a new series of thiazolyl-pyrazolines as dual EGFR and HER2 inhibitors. European Journal of Medicinal Chemistry, 2019, 182, 111648.	5.5	70
6	Expression of HIV-1 accessory protein Vif is controlled uniquely to be low and optimal by proteasome degradation. Microbes and Infection, 2004, 6, 791-798.	1.9	69
7	Stereochemistry of the addition of diarylsilylenes to cis- and trans-2-butenes. Journal of the American Chemical Society, 1988, 110, 3310-3311.	13.7	64
8	Design and synthesis of novel quinoline/chalcone/1,2,4-triazole hybrids as potent antiproliferative agent targeting EGFR and BRAFV600E kinases. Bioorganic Chemistry, 2021, 106, 104510.	4.1	59
9	Highly Sensitive Analysis of the Interaction between HIV-1 Gag and Phosphoinositide Derivatives Based on Surface Plasmon Resonance. Biochemistry, 2010, 49, 5109-5116.	2.5	57
10	High Level Expression of Human Immunodeficiency Virus Type-1 Vif Inhibits Viral Infectivity by Modulating Proteolytic Processing of the Gag Precursor at the p2/Nucleocapsid Processing Site. Journal of Biological Chemistry, 2004, 279, 12355-12362.	3.4	56
11	Role of HIV-1 Vpu protein for virus spread and pathogenesis. Microbes and Infection, 2008, 10, 960-967.	1.9	52
12	A clue to unprecedented strategy to HIV eradication: â€œLock-in and apoptosisâ€• Scientific Reports, 2017, 7, 8957.	3.3	50
13	Design, Synthesis, and Biological Evaluation of Novel 1,3,4-Thiadiazole Derivatives as Potential Antitumor Agents against Chronic Myelogenous Leukemia: Striking Effect of Nitrothiazole Moiety. Molecules, 2018, 23, 59.	3.8	48
14	Vpx and Vpr proteins of HIV-2 up-regulate the viral infectivity by a distinct mechanism in lymphocytic cells. Microbes and Infection, 2003, 5, 387-395.	1.9	43
15	Novel Zinc Chelators with Dual Activity in the Inhibition of the .kappa.B Site-Binding Proteins, HIV-EP1 and NF-.kappa.B. Journal of Medicinal Chemistry, 1995, 38, 3264-3270.	6.4	37
16	Metal-Chelating Inhibitors of a Zinc Finger Protein HIV-EP1. Remarkable Potentiation of Inhibitory Activity by Introduction of SH Groups. Journal of Medicinal Chemistry, 1996, 39, 503-507.	6.4	34
17	Comparative study on the structure and cytopathogenic activity of HIV Vpr/Vpx proteins. Microbes and Infection, 2006, 8, 10-15.	1.9	33
18	Multifaceted activity of HIV Vpr/Vpx proteins: the current view of their virological functions. Reviews in Medical Virology, 2010, 20, 68-76.	8.3	33

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19	The First Pentacyclic Triterpenoid Gypsogenin Derivative Exhibiting Anti-ABL1 Kinase and Anti-chronic Myelogenous Leukemia Activities. Biological and Pharmaceutical Bulletin, 2018, 41, 570-574.	1.4	33
20	Comprehensive Research on Past and Future Therapeutic Strategies Devoted to Treatment of Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2022, 23, 2400.	4.1	32
21	Amino Acid Residues 88 and 89 in the Central Hydrophilic Region of Human Immunodeficiency Virus Type 1 Vif Are Critical for Viral Infectivity by Enhancing the Steady-State Expression of Vif. Journal of Virology, 2003, 77, 1626-1632.	3.4	31
22	Design, synthesis, and biological activity of Plastoquinone analogs as a new class of anticancer agents. Bioorganic Chemistry, 2019, 92, 103255.	4.1	31
23	Viral Tropism. Frontiers in Microbiology, 2012, 3, 281.	3.5	30
24	SAMHD1-Dependent and -Independent Functions of HIV-2/SIV Vpx Protein. Frontiers in Microbiology, 2012, 3, 297.	3.5	28
25	A novel inhibitor of farnesyltransferase with a zinc site recognition moiety and a farnesyl group. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3862-3866.	2.2	28
26	Regulation of cell cycle and apoptosis by human immunodeficiency virus type 1 Vpr. Microbes and Infection, 2000, 2, 1011-1017.	1.9	27
27	Structureâ€“activity relationship of N-methyl-bisindolylmaleimide derivatives as cell death inhibitors. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3109-3113.	2.2	27
28	Discovery and structureâ€“activity relationship of plastoquinone analogs as anticancer agents against chronic myelogenous leukemia cells. Archiv Der Pharmazie, 2019, 352, e1900170.	4.1	27
29	Synthesis, Computational Study, and Evaluation of In Vitro Antimicrobial, Antibiofilm, and Anticancer Activities of New Sulfanyl Aminonaphthoquinone Derivatives. Letters in Drug Design and Discovery, 2017, 14, .	0.7	27
30	Novel Zinc Chelators Which Inhibit the Binding of HIV-EP1 (HIV Enhancer Binding Protein) to NF-.kappa.B Recognition Sequence. Journal of Medicinal Chemistry, 1994, 37, 4267-4269.	6.4	24
31	An anti-HIV-1 compound that increases steady-state expression of apoplipoprotein B mRNA-editing enzyme-catalytic polypeptide-like 3G. International Journal of Molecular Medicine, 2011, 28, 613-6.	4.0	23
32	A Dithiol Compound Binds to the Zinc Finger Protein TRAF6 and Suppresses Its Ubiquitination. ChemMedChem, 2017, 12, 1935-1941.	3.2	23
33	A novel series of chlorinated plastoquinone analogs: Design, synthesis, and evaluation of anticancer activity. Chemical Biology and Drug Design, 2020, 95, 343-354.	3.2	23
34	In Vitro and In Silico Evaluation of Anticancer Activity of New Indole-Based 1,3,4-Oxadiazoles as EGFR and COX-2 Inhibitors. Molecules, 2020, 25, 5190.	3.8	23
35	Design, Synthesis and Biological Evaluation of Pentacyclic Triterpene Derivatives: Optimization of Anti-ABL Kinase Activity. Molecules, 2019, 24, 3535.	3.8	22
36	Blockade of TGF-Î²/Smad signaling by the small compound HPH-15 ameliorates experimental skin fibrosis. Arthritis Research and Therapy, 2018, 20, 46.	3.5	21

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37	Zinc-mediated binding of a low-molecular-weight stabilizer of the host anti-viral factor apolipoprotein B mRNA-editing enzyme, catalytic polypeptide-like 3G. Bioorganic and Medicinal Chemistry, 2016, 24, 4398-4405.	3.0	20
38	Design, synthesis and investigation of the mechanism of action underlying anti-leukemic effects of the quinolinequinones as LY83583 analogs. Bioorganic Chemistry, 2021, 114, 105160.	4.1	20
39	Cloning and characterization of a cDNA encoding the human homolog of tumor necrosis factor receptor-associated factor 5 (TRAF5). Gene, 1998, 207, 135-140.	2.2	19
40	Role of HIV-1 Nef protein for virus replication in vitro. Microbes and Infection, 2010, 12, 65-70.	1.9	19
41	Minimum structural requirements for inhibitors of the zinc finger protein TRAF6. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2162-2167.	2.2	19
42	Antiproliferative S-Trityl-l-Cysteine -Derived Compounds as SIRT2 Inhibitors: Repurposing and Solubility Enhancement. Molecules, 2019, 24, 3295.	3.8	19
43	Anticancer activity of Turkish marine extracts: a purple sponge extract induces apoptosis with multitarget kinase inhibition activity. Investigational New Drugs, 2020, 38, 1326-1333.	2.6	19
44	Novel metal chelating molecules with anticancer activity. Striking effect of the imidazole substitution of the histidineâ€“pyridineâ€“histidine system. Bioorganic and Medicinal Chemistry, 2015, 23, 5476-5482.	3.0	18
45	Anti-cancer activity of the cell membrane-permeable phytic acid prodrug. Bioorganic Chemistry, 2019, 92, 103240.	4.1	18
46	New SIRT2 inhibitors: Histidine-based bleomycin spin-off. Bioorganic and Medicinal Chemistry, 2019, 27, 1767-1775.	3.0	18
47	Structure based design, synthesis, and evaluation of anti-CML activity of the quinolinequinones as LY83583 analogs. Chemico-Biological Interactions, 2021, 345, 109555.	4.0	18
48	Synthetic inhibitors of regulatory proteins involved in the signaling pathway of the replication of human immunodeficiency virus 1. Bioorganic and Medicinal Chemistry, 1997, 5, 205-215.	3.0	16
49	An Artificial Copper Complex Incorporating a Cell-Penetrating Peptide Inhibits Nuclear Factor-.KAPPA.B (NF-.KAPPA.B) Activation. Chemical and Pharmaceutical Bulletin, 2011, 59, 1555-1558.	1.3	16
50	Selective SIRT2 inhibitors as promising anticancer therapeutics: An update from 2016 to 2020. European Journal of Medicinal Chemistry, 2021, 224, 113709.	5.5	16
51	EGFR-Targeted Pentacyclic Triterpene Analogues for Glioma Therapy. International Journal of Molecular Sciences, 2021, 22, 10945.	4.1	15
52	Elimination of HIV-1 plasmid DNA from virus samples obtained from transfection by calciumâ€“phosphate co-precipitation. Journal of Virological Methods, 2000, 90, 99-102.	2.1	14
53	Cyclophilin A-Independent Replication of a Human Immunodeficiency Virus Type 1 Isolate Carrying a Small Portion of the Simian Immunodeficiency Virus SIV MAC gag Capsid Region. Journal of Virology, 2001, 75, 10527-10531.	3.4	14
54	Design and synthesis of lipid-coupled inositol 1,2,3,4,5,6-hexakisphosphate derivatives exhibiting high-affinity binding for the HIV-1 MA domain. Organic and Biomolecular Chemistry, 2014, 12, 5006-5022.	2.8	14

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55	Antileukemic Activity of Twig Components of Caucasian Beech in Turkey. Molecules, 2019, 24, 3850.	3.8	14
56	Zinc-binding site of human immunodeficiency virus 2 Vpx prevents instability and dysfunction of the protein. Journal of General Virology, 2017, 98, 275-283.	2.9	14
57	A Facile Synthesis of 4-Formyl-1,2,3-thiadiazole. Synlett, 1992, 1992, 95-96.	1.8	13
58	Functional region mapping of HIV-2 Vpx protein. Microbes and Infection, 2008, 10, 1387-1392.	1.9	13
59	Poly-proline motif in HIV-2 Vpx is critical for its efficient translation. Journal of General Virology, 2014, 95, 179-189.	2.9	13
60	Structure activity study of S-trityl-cysteamine dimethylaminopyridine derivatives as SIRT2 inhibitors: Improvement of SIRT2 binding and inhibition. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127458.	2.2	13
61	Susceptibility of HVS-immortalized lymphocytic HSC-F cells to various strains and mutants of HIV/SIV. International Journal of Molecular Medicine, 2003, 11, 641-4.	4.0	13
62	Subtle mutations in the cysteine region of HIV-1 Vif drastically alter the viral replication phenotype. Microbes and Infection, 2002, 4, 621-624.	1.9	12
63	Functional analysis of HIV-1 genes derived from Japanese long-term nonprogressors and progressors for AIDS. Microbes and Infection, 2004, 6, 799-805.	1.9	12
64	Unique characteristics of HIV-1 Vif expression. Microbes and Infection, 2005, 7, 385-390.	1.9	12
65	A New Inhibitor of ADAM17 Composed of a Zinc-Binding Dithiol Moiety and a Specificity Pocket-Binding Appendage. Chemical and Pharmaceutical Bulletin, 2021, 69, 1123-1130.	1.3	12
66	Susceptibility of HVS-immortalized lymphocytic HSC-F cells to various strains and mutants of HIV/SIV. International Journal of Molecular Medicine, 2003, 11, 641.	4.0	10
67	Neuroprotective effects of a novel carnosine-hydrazide derivative on hippocampal CA1 damage after transient cerebral ischemia. European Journal of Medicinal Chemistry, 2019, 163, 207-214.	5.5	10
68	A New Series of Antileukemic Agents: Design, Synthesis, In Vitro and In Silico Evaluation of Thiazole-Based ABL1 Kinase Inhibitors. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 1099-1109.	1.7	10
69	Mutational analysis of HIVâ€2 Vpx shows that proline residue 109 in the polyâ€proline motif regulates degradation of SAMHD1. FEBS Letters, 2015, 589, 1505-1514.	2.8	9
70	Discovery of anti-cell migration activity of an anti-HIV heterocyclic compound by identification of its binding protein hnRNP M. Bioorganic Chemistry, 2021, 107, 104627.	4.1	9
71	Generation and characterization of APOBEC3G-positive 293T cells for HIV-1 Vif study. Journal of Medical Investigation, 2007, 54, 154-158.	0.5	9
72	Thermal high yield aromatic arylation with Î±-azohydroperoxide (part 1). A novel free radical aromatic arylation reaction. Tetrahedron Letters, 1989, 30, 963-966.	1.4	8

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73	Cell-dependent gag mutants of HIV-1 are crucially defective at the stage of uncoating/reverse transcription in non-permissive cells. Microbes and Infection, 2000, 2, 1419-1423.	1.9	8
74	Interruption of Vif/Elongin C interaction: In silico and experimental elucidation of the underlying molecular mechanism of benzimidazole-based APOBEC3G stabilizers. Bioorganic and Medicinal Chemistry, 2020, 28, 115409.	3.0	8
75	In Vitro and In Silico Study of Analogs of Plant Product Plastoquinone to Be Effective in Colorectal Cancer Treatment. Molecules, 2022, 27, 693.	3.8	8
76	Analysis of the cell-dependent replication potentials of human immunodeficiency virus type 1 vif mutants. Microbes and Infection, 2001, 3, 1093-1099.	1.9	7
77	Establishment of a biological assay system for human retroviral protease activity. Microbes and Infection, 2005, 7, 820-824.	1.9	7
78	Site-Directed Mutagenesis of HIV-1 vpu Gene Demonstrates Two Clusters of Replication-Defective Mutants with Distinct Ability to Down-Modulate Cell Surface CD4 and Tetherin. Frontiers in Microbiology, 2010, 1, 116.	3.5	7
79	l-Histidyl-glycyl-glycyl-l-histidine. Amino-acid structuring of the bleomycin-type pentadentate metal-binding environment capable of efficient double-strand cleavage of plasmid DNA. Bioorganic Chemistry, 2015, 62, 8-14.	4.1	7
80	Synthesis of the biotinylated anti-HIV compound BMMP and the target identification study. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 43-45.	2.2	7
81	Crystal Structures of Metallo-Î²-Lactamase (IMP-1) and Its D120E Mutant in Complexes with Citrate and the Inhibitory Effect of the Benzyl Group in Citrate Monobenzyl Ester. Journal of Medicinal Chemistry, 2021, 64, 10019-10026.	6.4	7
82	Apparent lack of trans-dominant negative effects of various vif mutants on the replication of HIV-1. Microbes and Infection, 2002, 4, 1203-1207.	1.9	6
83	Construction of gag-chimeric viruses between HIV-1 and SIVmac that are capable of productive multi-cycle infection. Microbes and Infection, 2006, 8, 1075-1081.	1.9	6
84	DNA-cleavage activity of the iron(II) complex with optically active ligands, meta- and para-xylyl-linked Nâ€™,Nâ€™-dipyridylmethyl-cyclohexane-1,2-diamine. Bioorganic and Medicinal Chemistry Letters, 2021, 36, 127834.	2.2	6
85	Structural insight into host plasma membrane association and assembly of HIV-1 matrix protein. Scientific Reports, 2021, 11, 15819.	3.3	6
86	Determination of HIV-1 infectivity by lymphocytic cell lines with integrated luciferase gene. International Journal of Molecular Medicine, 2004, 14, 1073-6.	4.0	6
87	Effects of lysine to arginine mutations in HIV-1 Vif on its expression and viral infectivity. International Journal of Molecular Medicine, 2006, 18, 679-83.	4.0	6
88	Growth characteristics of SHIV without the vpu gene. International Journal of Molecular Medicine, 2001, 8, 641-4.	4.0	5
89	Effects of lysine to arginine mutations in HIV-1 Vif on its expression and viral infectivity. International Journal of Molecular Medicine, 2006, 18, 679.	4.0	5
90	Structural Biology for Virus Research. Frontiers in Microbiology, 2012, 3, 91.	3.5	4

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91	Serial Femtosecond X-Ray Diffraction of HIV-1 Gag MA-IP6 Microcrystals at Ambient Temperature. International Journal of Molecular Sciences, 2019, 20, 1675.	4.1	4
92	Novel Inhibitor for Downstream Targeting of Transforming Growth Factor-Î² Signaling to Suppress Epithelial to Mesenchymal Transition and Cell Migration. International Journal of Molecular Sciences, 2022, 23, 5047.	4.1	4
93	Natural-product-inspired design and synthesis of thiolated coenzyme Q analogs as promising agents against Gram-positive bacterial strains: insights into structureâ€“activity relationship, activity profile, mode of action, and molecular docking. RSC Advances, 2022, 12, 20507-20518.	3.6	4
94	Synthesis and biological properties of 3-[()-2-(1,2,3-Thiadiazolyl)ethenyl]-substituted cephalosporins and related compounds: new oral cephalosporins. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 2225-2230.	2.2	3
95	Commentary on Aptamers for Virus Research. Frontiers in Microbiology, 2012, 3, 52.	3.5	3
96	Commentary: MARCH8 Inhibits HIV-1 Infection by Reducing Virion Incorporation of Envelope Glycoproteins. Frontiers in Microbiology, 2016, 7, 254.	3.5	3
97	Introduction of H2C2â€type zincâ€binding residues into HIVâ€2 Vpr increases its expression level. FEBS Open Bio, 2018, 8, 146-153.	2.3	3
98	A New Series of Indeno[1,2-c]pyrazoles as EGFR TK Inhibitors for NSCLC Therapy. Molecules, 2022, 27, 485.	3.8	3
99	Promising Antibacterial and Antifungal Agents Based on Thiolated Vitamin K3 Analogs: Synthesis, Bioevaluation, Molecular Docking. Pharmaceuticals, 2022, 15, 586.	3.8	3
100	A New 1,2-Naphthoquinone Derivative with Anti-lung Cancer Activity. Chemical and Pharmaceutical Bulletin, 2022, 70, 477-482.	1.3	3
101	The Fourth Major Restriction Factor Against HIV/SIV. Frontiers in Microbiology, 2011, 2, 132.	3.5	2
102	HIV-1 Nef impairs multiple T-cell functions in antigen-specific immune response in mice. International Immunology, 2011, 23, 433-441.	4.0	2
103	Role of poly-proline motif in HIV-2 Vpx expression. Frontiers in Microbiology, 2014, 5, 24.	3.5	2
104	Design and synthesis of an anthranyl bridged optically active dinuclear iron(II)-ligand and evaluation of DNA-cleaving activity. Bioorganic and Medicinal Chemistry Letters, 2021, 35, 127782.	2.2	2
105	Man-made Inhibitors of Transcription Factors Involved in the Replication of Human Immunodeficiency Virus.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1997, 55, 697-704.	0.1	2
106	A vitamin D C/D ring-derived compound with cytotoxicity. Medicinal Chemistry Research, 2022, 31, 1120-1125.	2.4	2
107	Discovery of Azaindolin-2-One as a Dual Inhibitor of GSK3Î² and Tau Aggregation with Potential Neuroprotective Activity. Pharmaceuticals, 2022, 15, 426.	3.8	2
108	Determination of HIV-1 infectivity by lymphocytic cell lines with integrated luciferase gene. International Journal of Molecular Medicine, 2004, 14, 1073.	4.0	1

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109	HSP70 induction by bleomycin metal core analogs. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127002.	2.2	1
110	Morphological study on biologically distinct vpx/vpr mutants of HIV-2. Journal of Medical Investigation, 2006, 53, 271-276.	0.5	1
111	Activation of Ligand Reaction on an Iron Complex: H/D Exchange Reaction of a Low-Spin Bis[2-(Pyridylmethylidene)-1-(2-pyridyl)methylamine]iron(II) Complex. Chemical and Pharmaceutical Bulletin, 2020, 68, 713-716.	1.3	1
112	Fabrication of co-culture device for reproducing cancer metastasis behavior in vitro. The Proceedings of Conference of Kyushu Branch, 2021, 2021.74, C33.	0.0	0
113	The stability of HIV-2 Vpx and Vpr proteins is regulated by the presence or absence of zinc-binding sites and poly-proline motifs with distinct roles. Journal of General Virology, 2020, 101, 997-1007.	2.9	0
114	Development of chimeric receptor activator of nuclear factorâ€kappa B with glutathione Sâ€transferase in the extracellular domain: Artificial switch in a membrane receptor. Chemical Biology and Drug Design, 2022, 99, 573-584.	3.2	0