M K O'banion

List of Publications by Year
in descending order

129	15,650	41258	16605
papers	citations	49 h-index	123 g-index

132	132	132	17778
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gas6 induces inflammation and reduces plaque burden but worsens behavior in a sex-dependent manner in the APP/PS1 model of Alzheimerâ€™s disease. Journal of Neuroinflammation, 2022, 19, 38.	3.1	20
2	Repopulated microglia induce expression of Cxcl13 with differential changes in Tau phosphorylation but do not impact amyloid pathology. Journal of Neuroinflammation, 2022, 19, .	3.1	7
3	Effects of concentrated ambient ultrafine particulate matter on hallmarks of Alzheimerâ€™s disease in the 3xTgAD mouse model. NeuroToxicology, 2021, 84, 172-183.	1.4	15
4	In Vivo Imaging of the Microglial Landscape After Whole Brain Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2021, 111, 1066-1071.	0.4	5
5	Evaluating Effects of Glatiramer Acetate Treatment on Amyloid Deposition and Tau Phosphorylation in the 3xTg Mouse Model of Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2021, 15, 758677.	1.4	9
6	Matters of size: Roles of hyaluronan in CNS aging and disease. Ageing Research Reviews, 2021, 72, 101485.	5.0	15
7	Long-Term Sex- and Genotype-Specific Effects of 56Fe Irradiation on Wild-Type and APPswe/PS1dE9 Transgenic Mice. International Journal of Molecular Sciences, 2021, 22, 13305.	1.8	10
8	Prehospital supplemental oxygen for acute stroke â€“ A retrospective analysis. American Journal of Emergency Medicine, 2020, 38, 2324-2328.	0.7	2
9	Retrospective analysis of the hemodynamic consequences of prehospital supplemental oxygen in acute stroke. American Journal of Emergency Medicine, 2020, 38, 2125-2129.	0.7	1
10	Space radiation does not alter amyloid or tau pathology in the 3xTg mouse model of Alzheimer's disease. Life Sciences in Space Research, 2020, 27, 89-98.	1.2	6
11	Cognitively supernormal older adults maintain a unique structural connectome that is resistant to Alzheimerâ€™s pathology. NeuroImage: Clinical, 2020, 28, 102413.	1.4	6
12	AXL activation leads to reduced amyloid plaque deposition in APP/PSâ€1 mice. Alzheimer's and Dementia, 2020, 16, e046330.	0.4	1
13	Cranial irradiation acutely and persistently impairs injury-induced microglial proliferation. Brain, Behavior, & Immunity - Health, 2020, 4, 100057.	1.3	3
14	Evaluating the Effect of Interleukin-4 in the 3xTg Mouse Model of Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2020, 14, 441.	1.4	9
15	Space-like 56Fe irradiation manifests mild, early sex-specific behavioral and neuropathological changes in wildtype and Alzheimerâ€™s-like transgenic mice. Scientific Reports, 2019, 9, 12118.	1.6	49
16	Exploiting microglial and peripheral immune cell crosstalk to treat Alzheimerâ€™s disease. Journal of Neuroinflammation, 2019, 16, 74.	3.1	125
17	Cranial irradiation mediated spine loss is sex-specific and complement receptor-3 dependent in male mice. Scientific Reports, 2019, 9, 18899.	1.6	47
18	IL-1Î²-driven amyloid plaque clearance is associated with an expansion of transcriptionally reprogrammed microglia. Journal of Neuroinflammation, 2019, 16, 261.	3.1	38

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19	Fractionation enhances acute oligodendrocyte progenitor cell radiation sensitivity and leads to long term depletion. Glia, 2018, 66, 846-861.	2.5	17
20	Reduced activation and proliferation of human lymphocytes exposed to respiratory syncytial virus compared to cells exposed to influenza virus. Journal of Medical Virology, 2018, 90, 26-33.	2.5	15
21	Neurogenic Effects of Low-Dose Whole-Body HZE (Fe) Ion and Gamma Irradiation. Radiation Research, 2016, 186, 614-623.	0.7	21
22	Fractionation Spares Mice From Radiation-Induced Reductions in Weight Gain But Does Not Prevent Late Oligodendrocyte Lineage Side Effects. International Journal of Radiation Oncology Biology Physics, 2016, 96, 449-457.	0.4	7
23	Targeting innate immunity for neurodegenerative disorders of the central nervous system. Journal of Neurochemistry, 2016, 138, 653-693.	2.1	106
24	Addressing the Symptoms or Fixing the Problem? Developing Countermeasures against Normal Tissue Radiation Injury. Radiation Research, 2016, 186, 1-16.	0.7	26
25	Brain radiation injury leads to a dose- and time-dependent recruitment of peripheral myeloid cells that depends on CCR2 signaling. Journal of Neuroinflammation, 2016, 13, 30.	3.1	35
26	Arginase 1+ microglia reduce AÎ² plaque deposition during IL-1Î²-dependent neuroinflammation. Journal of Neuroinflammation, 2015, 12, 203.	3.1	111
27	Characterization of binge-dosed methamphetamine-induced neurotoxicity and neuroinflammation. NeuroToxicology, 2015, 50, 131-141.	1.4	43
28	Does peripheral inflammation contribute to Alzheimer disease?. Neurology, 2014, 83, 480-481.	1.5	8
29	Are Ã¢â‚¬Å“RestingÃ¢â‚¬Â•Microglia More Ã¢â‚¬Å“M2Ã¢â‚¬Â?. Frontiers in Immunology, 2014, 5, 594.	2.2	68
30	Solubleâ€Eâ€cadherin activates HER and IAP family members in HER2+ and TNBC human breast cancers. Molecular Carcinogenesis, 2014, 53, 893-906.	1.3	28
31	Central Nervous System Effects of Whole-Body Proton Irradiation. Radiation Research, 2014, 182, 18.	0.7	68
32	Neuroinflammation and M2 microglia: the good, the bad, and the inflamed. Journal of Neuroinflammation, 2014, 11, 98.	3.1	1,285
33	Interleukin-1Î² mediated amyloid plaque clearance is independent of CCR2 signaling in the APP/PS1 mouse model of Alzheimer's disease. Neurobiology of Disease, 2014, 69, 124-133.	2.1	33
34	Soluble E-cadherin: a critical oncogene modulating receptor tyrosine kinases, MAPK and PI3K/Akt/mTOR signaling. Oncogene, 2014, 33, 225-235.	2.6	81
35	Monoclonal Antibody against the Ectodomain of E-Cadherin (DECMA-1) Suppresses Breast Carcinogenesis: Involvement of the HER/PI3K/Akt/mTOR and IAP Pathways. Clinical Cancer Research, 2013, 19, 3234-3246.	3.2	42
36	Chronic Neuron- and Age-Selective Down-Regulation of TNF Receptor Expression in Triple-Transgenic Alzheimer Disease Mice Leads to Significant Modulation of Amyloid- and Tau-Related Pathologies. American Journal of Pathology, 2013, 182, 2285-2297.	1.9	44

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37	X-Ray Microbeam Irradiation of the Contusion-Injured Rat Spinal Cord Temporarily Improves Hind-Limb Function. Radiation Research, 2013, 179, 76-88.	0.7	9
38	Sustained IL-1Î² expression impairs adult hippocampal neurogenesis independent of IL-1 signaling in nestin+ neural precursor cells. Brain, Behavior, and Immunity, 2013, 32, 9-18.	2.0	71
39	It May Take More Than a Shot: Alternatives to Immunotherapy for Alzheimer's Disease. Biological Psychiatry, 2013, 74, 316-317.	0.7	3
40	Deletion or activation of the aryl hydrocarbon receptor alters adult hippocampal neurogenesis and contextual fear memory. Journal of Neurochemistry, 2013, 125, 430-445.	2.1	100
41	Sustained Interleukin-1Î² Overexpression Exacerbates Tau Pathology Despite Reduced Amyloid Burden in an Alzheimer's Mouse Model. Journal of Neuroscience, 2013, 33, 5053-5064.	1.7	310
42	Thermal Injury Lowers the Threshold for Radiation-Induced Neuroinflammation and Cognitive Dysfunction. Radiation Research, 2013, 180, 398-406.	0.7	6
43	Interleaved Carbon Minibeams: An Experimental Radiosurgery Method With Clinical Potential. International Journal of Radiation Oncology Biology Physics, 2012, 84, 514-519.	0.4	26
44	Adult murine hippocampal neurogenesis is inhibited by sustained IL-1Î² and not rescued by voluntary running. Brain, Behavior, and Immunity, 2012, 26, 292-300.	2.0	101
45	Conditional expression of human Î²-hexosaminidase in the neurons of Sandhoff disease rescues mice from neurodegeneration but not neuroinflammation. Journal of Neuroinflammation, 2012, 9, 186.	3.1	13
46	Galactic Cosmic Radiation Leads to Cognitive Impairment and Increased AÎ² Plaque Accumulation in a Mouse Model of Alzheimerâ€™s Disease. PLoS ONE, 2012, 7, e53275.	1.1	171
47	Behavioral, Structural and Molecular Changes following Long-term Hippocampal IL-1Î² Overexpression in Transgenic Mice. Journal of NeuroImmune Pharmacology, 2012, 7, 145-155.	2.1	19
48	Chronic IL-1Î²-Mediated Neuroinflammation Mitigates Amyloid Pathology in a Mouse Model of Alzheimerâ€™s Disease without Inducing Overt Neurodegeneration. Journal of NeuroImmune Pharmacology, 2012, 7, 156-164.	2.1	72
49	Neuroinflammation and Cognitive Dysfunction in Chronic Disease and Aging. Journal of NeuroImmune Pharmacology, 2012, 7, 3-6.	2.1	15
50	Cranial Irradiation Leads to Acute and Persistent Neuroinflammation with Delayed Increases in T-Cell Infiltration and CD11c Expression in C57BL/6 Mouse Brain. Radiation Research, 2011, 176, 459.	0.7	118
51	Osteoarthritis accelerates and exacerbates Alzheimer's disease pathology in mice. Journal of Neuroinflammation, 2011, 8, 112.	3.1	85
52	Acute neuroinflammation and neurogenesis: A role for microglial COX-1. Cell Cycle, 2011, 10, 3819-3819.	1.3	2
53	Neuroinflammatory processes in Alzheimerâ€™s disease. Journal of Neural Transmission, 2010, 117, 919-947.	1.4	380
54	Prostaglandin E2 synthases in neurologic homeostasis and disease. Prostaglandins and Other Lipid Mediators, 2010, 91, 113-117.	1.0	17

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55	Cyclooxygenaseâ€1 mediates prostaglandin E₂ elevation and contextual memory impairment in a model of sustained hippocampal interleukinâ€1Î² expression. Journal of Neurochemistry, 2010, 114, 247-258.	2.1	49
56	Sustained hippocampal IL-1Î² overexpression impairs contextual and spatial memory in transgenic mice. Brain, Behavior, and Immunity, 2010, 24, 243-253.	2.0	197
57	Neuroinflammation and Memory: The Role of Prostaglandins. Molecular Neurobiology, 2009, 40, 15-32.	1.9	140
58	Sustained expression of interleukin-1Î² in mouse hippocampus impairs spatial memory. Neuroscience, 2009, 164, 1484-1495.	1.1	137
59	Restructuring MDâ€"PhD Programs: Career Training or Broad Education?. Academic Medicine, 2009, 84, 407.	0.8	1
60	Spinal interleukinâ€1Î² in a mouse model of arthritis and joint pain. Arthritis and Rheumatism, 2008, 58, 3100-3109.	6.7	39
61	ALS-causing SOD1 mutants generate vascular changes prior to motor neuron degeneration. Nature Neuroscience, 2008, 11, 420-422.	7.1	409
62	Peripheral blood mononuclear cell infiltration and neuroinflammation in the HexBâ^'/â^' mouse model of neurodegeneration. Journal of Neuroimmunology, 2008, 203, 50-57.	1.1	35
63	The role of interleukin-1 in neuroinflammation and Alzheimer disease: an evolving perspective. Journal of Neuroinflammation, 2008, 5, 7.	3.1	418
64	Interleukin-1 increases expression of cytosolic and membrane PGE synthase in mouse astrocytes and brain. Journal of Neurochemistry, 2008, 81, 9-13.	2.1	0
65	Chronic Interleukin-1Î² Expression in Mouse Brain Leads to Leukocyte Infiltration and Neutrophil-Independent Bloodâ€"Brain Barrier Permeability without Overt Neurodegeneration. Journal of Neuroscience, 2007, 27, 9301-9309.	1.7	225
66	Sustained hippocampal IL-1Î² overexpression mediates chronic neuroinflammation and ameliorates Alzheimer plaque pathology. Journal of Clinical Investigation, 2007, 117, 1595-1604.	3.9	357
67	Sequential Down-regulation of E-Cadherin with Squamous Cell Carcinoma Progression: Loss of E-Cadherin via a Prostaglandin E2-EP2â€"Dependent Posttranslational Mechanism. Cancer Research, 2007, 67, 7654-7664.	0.4	54
68	Amelioration of pain and histopathologic joint abnormalities in the Col1-IL-1Î²XAT mouse model of arthritis by intraarticular induction of Î¼-opioid receptor into the temporomandibular joint. Arthritis and Rheumatism, 2007, 56, 2038-2048.	6.7	40
69	Inflammatory processes in Alzheimer's disease. Journal of Neuroimmunology, 2007, 184, 69-91.	1.1	664
70	Enhanced cyclooxygenase-2 expression in olfactory-limbic forebrain following kainate-induced seizures. Neuroscience, 2006, 140, 1051-1065.	1.1	16
71	Cytosolic prostaglandin E2 synthase (cPGES) expression is decreased in discrete cortical regions in psychiatric disease. Brain Research, 2006, 1103, 164-172.	1.1	33
72	Intraarticular induction of interleukin-1Î² expression in the adult mouse, with resultant temporomandibular joint pathologic changes, dysfunction, and pain. Arthritis and Rheumatism, 2006, 54, 1184-1197.	6.7	51

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73	Regulation of prostaglandin E2 synthesis after brain irradiation. International Journal of Radiation Oncology Biology Physics, 2005, 62, 267-272.	0.4	31
74	The Role of COX-1 and COX-2 in Alzheimers Disease Pathology and the Therapeutic Potentials of Non-Steroidal Anti-Inflammatory Drugs. CNS and Neurological Disorders, 2005, 4, 307-315.	4.3	90
75	Radiation-Induced Edema is Dependent on Cyclooxygenase 2 Activity in Mouse Brain. Radiation Research, 2004, 161, 153-160.	0.7	45
76	Intraparenchymal administration of interleukin-1Î² induces cyclooxygenase-2-mediated expression of membrane- and cytosolic-associated prostaglandin E synthases in mouse brain. Journal of Neuroimmunology, 2004, 148, 32-40.	1.1	28
77	Noradrenergic depletion increases inflammatory responses in brain: effects on IÎºB and HSP70 expression. Journal of Neurochemistry, 2003, 85, 387-398.	2.1	134
78	COX-3: a splice variant of cyclooxygenase-1 in mouse neural tissue and cells. Molecular Brain Research, 2003, 119, 213-215.	2.5	78
79	Microglial response is poorly correlated with neurodegeneration following chronic, low-dose MPTP administration in monkeys. Experimental Neurology, 2003, 184, 659-668.	2.0	62
80	Viral Disease Transmitted by Laser-Generated Plume (Aerosol). Archives of Dermatology, 2002, 138, 1303.	1.7	191
81	Cyclooxygenase Inhibition as a Strategy to Ameliorate Brain Injury. Journal of Neurotrauma, 2002, 19, 1-15.	1.7	102
82	Cyclooxygenase-2 modulates brain inflammation-related gene expression in central nervous system radiation injury. Molecular Brain Research, 2002, 104, 159-169.	2.5	142
83	Noradrenergic Depletion Potentiates Î²-Amyloid-Induced Cortical Inflammation: Implications for Alzheimer's Disease. Journal of Neuroscience, 2002, 22, 2434-2442.	1.7	231
84	Neuroinflammation and anti-inflammatory therapy for Alzheimerâ€™s disease. Advanced Drug Delivery Reviews, 2002, 54, 1627-1656.	6.6	126
85	Selective Inhibition of Cyclooxygenase-2 Attenuates Expression of Inflammation-Related Genes in Cns Injury. Advances in Experimental Medicine and Biology, 2002, 507, 155-160.	0.8	5
86	Inflammatory Responses to Amyloidosis in a Transgenic Mouse Model of Alzheimerâ€™s Disease. American Journal of Pathology, 2001, 158, 1345-1354.	1.9	275
87	Two-dimensional gel analysis of secreted proteins induced by interleukin-1Î² in rat astrocytes. Neurochemistry International, 2001, 39, 349-359.	1.9	12
88	Downregulation of neuronal cyclooxygenase-2 expression in end stage Alzheimer's disease. Neurobiology of Aging, 2001, 22, 823-836.	1.5	99
89	Enhanced glial activation and expression of specific CNS inflammation-related molecules in aged versus young rats following cortical stab injury. Journal of Neuroimmunology, 2001, 119, 269-277.	1.1	109
90	Nonsteroidal anti-inflammatory drugs in orthodontic tooth movement: Metalloproteinase activity and collagen synthesis by endothelial cells. American Journal of Orthodontics and Dentofacial Orthopedics, 2000, 118, 203-209.	0.8	43

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91	Inflammation and Alzheimer's disease. Neurobiology of Aging, 2000, 21, 383-421.	1.5	4,069
92	Cyclooxygenases in the Central Nervous System: Implications for Treatment of Neurological Disorders. Current Pharmaceutical Design, 2000, 6, 1755-1776.	0.9	93
93	Localization and Distribution of Cyclooxygenase-2 in Brain Tissue by Immunohistochemistry. , 1999, 120, 55-66.		13
94	COX-2 and Alzheimerâ€™s disease: potential roles in inflammation and neurodegeneration. Expert Opinion on Investigational Drugs, 1999, 8, 1521-1536.	1.9	51
95	Adenovirus-Mediated Transgene Expression in Nonhuman Primate Brain. Human Gene Therapy, 1999, 10, 1175-1184.	1.4	54
96	TNFÎ± and IL-1Î² mediate intercellular adhesion molecule-1 induction via microgliaâ€“astrocyte interaction in CNS radiation injury. Journal of Neuroimmunology, 1999, 95, 95-106.	1.1	148
97	Cyclooxygenase-1 in Human Alzheimer and Control Brain: Quantitative Analysis of Expression by Microglia and CA3 Hippocampal Neurons. Journal of Neuropathology and Experimental Neurology, 1999, 58, 1135-1146.	0.9	171
98	Cyclooxygenase-2: Molecular Biology, Pharmacology, and Neurobiology. Critical Reviews in Neurobiology, 1999, 13, 45-82.	3.3	373
99	Developmental regulation and PKC dependence of Alzheimer's-type tau phosphorylations in cultured fetal rat hippocampal neurons. Developmental Brain Research, 1998, 107, 143-158.	2.1	8
100	Interleukinâ€1Î² and Tumor Necrosis Factorâ€Î± Suppress Dexamethasone Induction of Glutamine Synthetase in Primary Mouse Astrocytes. Journal of Neurochemistry, 1998, 71, 1436-1442.	2.1	45
101	Cyclooxygenase-1 Behaves as a Delayed Response Gene in PC12 Cells Differentiated by Nerve Growth Factor. Journal of Biological Chemistry, 1997, 272, 18534-18537.	1.6	44
102	ICAM-1 Induction in the Mouse CNS Following Irradiation. Brain, Behavior, and Immunity, 1997, 11, 273-285.	2.0	63
103	Bovine papillomavirus E5 oncogene stimulates DNA synthesisin C127 fibroblasts without general effects on growth factor responsive protein phosphorylations. Archives of Virology, 1997, 142, 953-964.	0.9	1
104	Glial and Neuronal Expression of Cyclooxygenase-2: Relevance to Alzheimerâ€™S Disease. Advances in Experimental Medicine and Biology, 1997, 433, 177-180.	0.8	8
105	Decreased Expression of Prostaglandin G/H Synthase-2 (PGHS-2) in Alzheimerâ€™s Disease Brain. Advances in Experimental Medicine and Biology, 1997, 407, 171-177.	0.8	11
106	Inflammatory mechanisms and anti-inflammatory therapy in Alzheimer's disease. Neurobiology of Aging, 1996, 17, 669-671.	1.5	32
107	Prostaglandin G/H synthase-2 (cyclooxygenase-2) mRNA expression is decreased in Alzheimer's disease. Neurobiology of Aging, 1996, 17, 801-808.	1.5	62
108	Interleukinâ€1Î² Induces Prostaglandin G/H Synthaseâ€2 (Cyclooxygenaseâ€2) in Primary Murine Astrocyte Cultures. Journal of Neurochemistry, 1996, 66, 2532-2540.	2.1	181

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109	Regional neuronal loss in aging and Alzheimer's disease: a brief review. Seminars in Neuroscience, 1994, 6, 307-314.	2.3	22
110	Corticosterone-responsive mRNAs in primary rat astrocytes. Molecular Brain Research, 1994, 22, 57-68.	2.5	23
111	In Vitro Studies of Glucocorticoid Effects on Neurons and Astrocytesa. Annals of the New York Academy of Sciences, 1994, 746, 243-258.	1.8	40
112	Induction of cyclooxygenase-2 in rat vascular smooth muscle cells in vitro and in vivo. Journal of Biological Chemistry, 1994, 269, 8504-9.	1.6	104
113	Genetic definition of a new bovine papillomavirus type 1 open reading frame, E5B, that encodes a hydrophobic protein involved in altering host-cell protein processing. Journal of Virology, 1993, 67, 3427-3434.	1.5	16
114	Anti-inflammatory glucocorticoid action: inhibition of griPGHS, a new cyclooxygenase. Journal of Lipid Mediators, 1993, 6, 101-11.	0.2	6
115	Glucocorticoid modulation of transformed cell proliferation is oncogene specific and correlates with effects on c-myc levels.. Molecular Endocrinology, 1992, 6, 1371-1380.	3.7	7
116	Molecular Cloning and Partial Characterization of a Parrot Papillomavirus. Intervirology, 1992, 33, 91-96.	1.2	24
117	cDNA cloning and functional activity of a glucocorticoid-regulated inflammatory cyclooxygenase.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 4888-4892.	3.3	782
118	Bovine papillomavirus type 1 alters the processing of host glucose- and calcium-modulated endoplasmic reticulum proteins. Journal of Virology, 1991, 65, 3481-3488.	1.5	6
119	A serum- and glucocorticoid-regulated 4-kilobase mRNA encodes a cyclooxygenase-related protein. Journal of Biological Chemistry, 1991, 266, 23261-7.	1.6	392
120	Papillomavirus-associated inductions of cellular proteins in mouse C127 cells: Correlation with the presence of open reading frame E2. Virology, 1989, 172, 170-179.	1.1	6
121	Cloning and molecular characterization of an oral papillomavirus of domestic rabbits. Virology, 1988, 162, 221-231.	1.1	9
122	Papillomas and Carcinomas Associated with a Papillomavirus in European Harvest Mice (Micromys) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	34
123	Cloning and characterization of a papillomavirus associated with papillomas and carcinomas in the European harvest mouse (Micromys minutus). Journal of Virology, 1988, 62, 226-233.	1.5	26
124	Venereal Papilloma and Papillomavirus in a Colobus Monkey (Colobus guereza). Intervirology, 1987, 28, 232-237.	1.2	33
125	Cross-Hybridization and Relationships of Various Papillomavirus DNAs at Different Degrees of Stringency. Intervirology, 1987, 28, 114-121.	1.2	23
126	Papillomavirus genomes in experimentally induced fibromas in white-tailed deer. American Journal of Veterinary Research, 1987, 48, 1453-5.	0.3	4

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127	Cloning and characterization of an equine cutaneous papillomavirus. Virology, 1986, 152, 100-109.	1.1	44
128	Cloning and characterization of a canine oral papillomavirus. American Journal of Veterinary Research, 1986, 47, 1142-4.	0.3	24
129	Calcitonin geneâ€related peptide: An intraâ€articular therapeutic target for TMJ disorders. Clinical and Experimental Dental Research, 0, , .	0.8	2