Hubert M Tse

List of Publications by Year
in descending order

62 papers	3,091 citations	147801 31 h-index	161849 54 g-index
64 all docs	64 docs citations	64 times ranked	4276 citing authors

#	Article	IF	Citations
1	Response of Human Islets to Isolation Stress and the Effect of Antioxidant Treatment. Diabetes, 2004, 53, 2559-2568.	0.6	251
2	The role of reactive oxygen species and proinflammatory cytokines in type 1 diabetes pathogenesis. Annals of the New York Academy of Sciences, 2013, 1281, 16-35.	3.8	231
3	Mechanistic analysis of the immunomodulatory effects of a catalytic antioxidant on antigen-presenting cells: implication for their use in targeting oxidationâ€“reduction reactions in innate immunity. Free Radical Biology and Medicine, 2004, 36, 233-247.	2.9	171
4	FoxO1 Links Insulin Resistance to Proinflammatory Cytokine IL-1Î² Production in Macrophages. Diabetes, 2009, 58, 2624-2633.	0.6	155
5	Ultrathin Polymeric Coatings Based on Hydrogenâ€Bonded Polyphenol for Protection of Pancreatic Islet Cells. Advanced Functional Materials, 2012, 22, 3389-3398.	14.9	141
6	NADPH Oxidase Deficiency Regulates Th Lineage Commitment and Modulates Autoimmunity. Journal of Immunology, 2010, 185, 5247-5258.	0.8	122
7	Design of Mn porphyrins for treating oxidative stress injuries and their redox-based regulation of cellular transcriptional activities. Amino Acids, 2012, 42, 95-113.	2.7	97
8	Sex differences underlying pancreatic islet biology and its dysfunction. Molecular Metabolism, 2018, 15, 82-91.	6.5	90
9	Disruption of Innate-Mediated Proinflammatory Cytokine and Reactive Oxygen Species Third Signal Leads to Antigen-Specific Hyporesponsiveness. Journal of Immunology, 2007, 178, 908-917.	0.8	89
10	Hydrogenâ€Bonded Multilayers of Tannic Acid as Mediators of Tâ€Cell Immunity. Advanced Healthcare Materials, 2015, 4, 686-694.	7.6	86
11	Superoxide Production by Macrophages and T Cells Is Critical for the Induction of Autoreactivity and Type 1 Diabetes. Diabetes, 2011, 60, 2144-2151.	0.6	85
12	Activation of the Mitogen-Activated Protein Kinase Signaling Pathway Is Instrumental in Determining the Ability ofMycobacterium aviumto Grow in Murine Macrophages. Journal of Immunology, 2002, 168, 825-833.	0.8	84
13	Loss of NADPH Oxidaseâ€“Derived Superoxide Skews Macrophage Phenotypes to Delay Type 1 Diabetes. Diabetes, 2015, 64, 937-946.	0.6	80
14	Preeclampsia Activates Circulating Immune Cells with Engagement of the NF-kappaB Pathway. American Journal of Reproductive Immunology, 2006, 56, 135-144.	1.2	77
15	Enhancement of Antitumor Immunity in Lung Cancer by Targeting Myeloid-Derived Suppressor Cell Pathways. Cancer Research, 2013, 73, 6609-6620.	0.9	75
16	Islet encapsulation with polyphenol coatings decreases pro-inflammatory chemokine synthesis and T cell trafficking. Biomaterials, 2017, 128, 19-32.	11.4	69
17	Human proinsulin C-peptide reduces high glucose-induced proliferation and NF-ÎºB activation in vascular smooth muscle cells. Atherosclerosis, 2008, 201, 248-257.	0.8	62
18	Redox Modulation Protects Islets From Transplant-Related Injury. Diabetes, 2010, 59, 1731-1738.	0.6	61

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19	Neuroprotective Efficacy from a Lipophilic Redox-Modulating Mn(III) N-Hexylpyridylporphyrin, MnTnHex-2-PyP: Rodent Models of Ischemic Stroke and Subarachnoid Hemorrhage. Journal of Pharmacology and Experimental Therapeutics, 2011, 338, 906-916.	2.5	60
20	Redox modulation inhibits CD8 T cell effector function. Free Radical Biology and Medicine, 2008, 45, 1477-1486.	2.9	59
21	The role of NADPH oxidases in infectious and inflammatory diseases. Redox Biology, 2021, 48, 102159.	9.0	58
22	Lymphocyte Activation Gene-3 Maintains Mitochondrial and Metabolic Quiescence in Naive CD4+ T Cells. Cell Reports, 2019, 27, 129-141.e4.	6.4	55
23	Caspase-1 Is Not Required for Type 1 Diabetes in the NOD Mouse. Diabetes, 2004, 53, 99-104.	0.6	53
24	NADPH Oxidaseâ€“Derived Superoxide Provides a Third Signal for CD4 T Cell Effector Responses. Journal of Immunology, 2016, 197, 1733-1742.	0.8	52
25	Targeting Mitochondrial-Derived Reactive Oxygen Species in T Cell-Mediated Autoimmune Diseases. Frontiers in Immunology, 2021, 12, 703972.	4.8	49
26	Long-term neuroprotection from a potent redox-modulating metalloporphyrin in the rat. Free Radical Biology and Medicine, 2009, 47, 917-923.	2.9	48
27	Inhibition of Ca2+-Independent Phospholipase A2Î² (iPLA2Î²) Ameliorates Islet Infiltration and Incidence of Diabetes in NOD Mice. Diabetes, 2015, 64, 541-554.	0.6	42
28	Polarization of Macrophages toward M2 Phenotype Is Favored by Reduction in iPLA2Î² (Group VIA) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.4	38
29	Manganoporphyrin-Polyphenol Multilayer Capsules as Radical and Reactive Oxygen Species (ROS) Scavengers. Chemistry of Materials, 2018, 30, 344-357.	6.7	36
30	Effects of Metalloporphyrins on Reducing Inflammation and Autoimmunity. Antioxidants and Redox Signaling, 2014, 20, 2465-2477.	5.4	34
31	Identification and characterization of spdR mutations that bypass the BsgA protease-dependent regulation of developmental gene expression in Myxococcus xanthus. Molecular Microbiology, 2001, 39, 765-780.	2.5	33
32	Serum miR-204 is an early biomarker of type 1 diabetes-associated pancreatic beta-cell loss. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E723-E730.	3.5	33
33	Redox-Dependent Inflammation in Islet Transplantation Rejection. Frontiers in Endocrinology, 2018, 9, 175.	3.5	29
34	Exploratory study reveals far reaching systemic and cellular effects of verapamil treatment in subjects with type 1 diabetes. Nature Communications, 2022, 13, 1159.	12.8	28
35	Dysregulated TLR3-dependent signaling and innate immune activation in superoxide-deficient macrophages from nonobese diabetic mice. Free Radical Biology and Medicine, 2012, 52, 2047-2056.	2.9	26
36	Localized Immunosuppression With Tannic Acid Encapsulation Delays Islet Allograft and Autoimmune-Mediated Rejection. Diabetes, 2020, 69, 1948-1960.	0.6	25

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37	Redox-Sensitive Innate Immune Pathways During Macrophage Activation in Type 1 Diabetes. Antioxidants and Redox Signaling, 2018, 29, 1373-1398.	5.4	24
38	Innate Viral Sensor MDA5 and Coxsackievirus Interplay in Type 1 Diabetes Development. Microorganisms, 2020, 8, 993.	3.6	24
39	Evidence of Contribution of iPLA2Î²-Mediated Events During Islet Î²-Cell Apoptosis Due to Proinflammatory Cytokines Suggests a Role for iPLA2Î² in T1D Development. Endocrinology, 2014, 155, 3352-3364.	2.8	23
40	The Importance of Proper Oxygenation in 3D Culture. Frontiers in Bioengineering and Biotechnology, 2021, 9, 634403.	4.1	20
41	A multivalent vaccine for type 1 diabetes skews T cell subsets to Th2 phenotype in NOD mice. Immunologic Research, 2011, 50, 213-220.	2.9	18
42	Loss of NOX-Derived Superoxide Exacerbates Diabetogenic CD4 T-Cell Effector Responses in Type 1 Diabetes. Diabetes, 2015, 64, 4171-4183.	0.6	18
43	The proinflammatory effects of macrophage-derived NADPH oxidase function in autoimmune diabetes. Free Radical Biology and Medicine, 2018, 125, 81-89.	2.9	17
44	Antiretroviral therapy potentiates high-fat diet induced obesity and glucose intolerance. Molecular Metabolism, 2018, 12, 48-61.	6.5	17
45	Modulatory Role of DR4- to DQ8-restricted CD4 T-Cell Responses and Type 1 Diabetes Susceptibility. Diabetes, 2006, 55, 3455-3462.	0.6	14
46	Effect of gamma aminobutyric acid (GABA) or GABA with glutamic acid decarboxylase (GAD) on the progression of type 1 diabetes mellitus in children: Trial design and methodology. Contemporary Clinical Trials, 2019, 82, 93-100.	1.8	14
47	Minireview: Directed Differentiation and Encapsulation of Islet Î²-Cellsâ€"Recent Advances and Future Considerations. Molecular Endocrinology, 2015, 29, 1388-1399.	3.7	12
48	Superoxide Production by NADPH Oxidase Intensifies Macrophage Antiviral Responses during Diabetogenic Coxsackievirus Infection. Journal of Immunology, 2018, 200, 61-70.	0.8	12
49	LIM-domain transcription complexes interact with ring-finger ubiquitin ligases and thereby impact islet Î²-cell function. Journal of Biological Chemistry, 2019, 294, 11728-11740.	3.4	12
50	A Small Molecule, UAB126, Reverses Diet-Induced Obesity and its Associated Metabolic Disorders. Diabetes, 2020, 69, 2003-2016.	0.6	10
51	Auranofin-Mediated NRF2 Induction Attenuates Interleukin 1 Beta Expression in Alveolar Macrophages. Antioxidants, 2021, 10, 632.	5.1	10
52	Xenotransplantation of tannic acidâ€encapsulated neonatal porcine islets decreases proinflammatory innate immune responses. Xenotransplantation, 2021, 28, e12706.	2.8	10
53	Proinsulin to C-Peptide Ratio in the First Year After Diagnosis of Type 1 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2021, 106, e4318-e4326.	3.6	10
54	Aberrant expression of costimulatory molecules in splenocytes of the mevalonate kinaseâ€deficient mouse model of human hyperâ€IgD syndrome (HIDS). Journal of Inherited Metabolic Disease, 2012, 35, 159-168.	3.6	9

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55	ICOS ligand and IL-10 synergize to promote hostâ€“microbiota mutualism. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
56	Bypass of A- and B-Signaling Requirements for Myxococcus xanthus Development by Mutations in spdR. Journal of Bacteriology, 2002, 184, 1455-1457.	2.2	8
57	Islet transplantation into brown adipose tissue can delay immune rejection. JCI Insight, 2022, 7, .	5.0	6
58	Dampening Antigen-Specific T Cell Responses with Antigens Encapsulated in Polyphenolic Microcapsules. ImmunoHorizons, 2020, 4, 530-545.	1.8	5
59	Optical sensor arrays designed for guided manufacture of perfluorocarbon nanoemulsions with a non-synthetic stabilizer. Acta Biomaterialia, 2021, 136, 558-569.	8.3	3
60	Diabetes: Hydrogen-Bonded Multilayers of Tannic Acid as Mediators of T-Cell Immunity (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	7.6	1
61	Editorial: Fresh Ideas, Foundational Experiments: Immunology and Diabetes. Frontiers in Endocrinology, 2019, 10, 315.	3.5	1
62	Reactive Oxygen Species â€“ Key Immune Mediators in Type 1 Diabetes. , 2014, , 3493-3520.		0