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	Islet transplantation into brown adipose tissue can delay immune rejection. JCI Insight, 2022, 7, .	5.0	6
2	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
3	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
4	The Importance of Proper Oxygenation in 3D Culture. Frontiers in Bioengineering and Biotechnology, 2021, 9, 634403.	4.1	20
5	Auranofin-Mediated NRF2 Induction Attenuates Interleukin 1 Beta Expression in Alveolar Macrophages. Antioxidants, 2021, 10, 632.	5.1	10
6	Xenotransplantation of tannic acidâ€encapsulated neonatal porcine islets decreases proinflammatory innate immune responses. Xenotransplantation, 2021, 28, e12706.	2.8	10
7	Targeting Mitochondrial-Derived Reactive Oxygen Species in T Cell-Mediated Autoimmune Diseases. Frontiers in Immunology, 2021, 12, 703972.	4.8	49
8	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
9	Optical sensor arrays designed for guided manufacture of perfluorocarbon nanoemulsions with a non-synthetic stabilizer. Acta Biomaterialia, 2021, 136, 558-569.	8.3	3
10	The role of NADPH oxidases in infectious and inflammatory diseases. Redox Biology, 2021, 48, 102159.	9.0	58
11	A Small Molecule, UAB126, Reverses Diet-Induced Obesity and its Associated Metabolic Disorders. Diabetes, 2020, 69, 2003-2016.	0.6	10
12	Localized Immunosuppression With Tannic Acid Encapsulation Delays Islet Allograft and Autoimmune-Mediated Rejection. Diabetes, 2020, 69, 1948-1960.	0.6	25
13	Innate Viral Sensor MDA5 and Coxsackievirus Interplay in Type 1 Diabetes Development. Microorganisms, 2020, 8, 993.	3.6	24
14	Dampening Antigen-Specific T Cell Responses with Antigens Encapsulated in Polyphenolic Microcapsules. ImmunoHorizons, 2020, 4, 530-545.	1.8	5
15	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
16	Editorial: Fresh Ideas, Foundational Experiments: Immunology and Diabetes. Frontiers in Endocrinology, 2019, 10, 315.	3.5	1
17	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
18	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

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19	Lymphocyte Activation Gene-3 Maintains Mitochondrial and Metabolic Quiescence in Naive CD4+ T Cells. Cell Reports, 2019, 27, 129-141.e4.	6.4	55
20	Manganoporphyrin-Polyphenol Multilayer Capsules as Radical and Reactive Oxygen Species (ROS) Scavengers. Chemistry of Materials, 2018, 30, 344-357.	6.7	36
21	The proinflammatory effects of macrophage-derived NADPH oxidase function in autoimmune diabetes. Free Radical Biology and Medicine, 2018, 125, 81-89.	2.9	17
22	Redox-Sensitive Innate Immune Pathways During Macrophage Activation in Type 1 Diabetes. Antioxidants and Redox Signaling, 2018, 29, 1373-1398.	5.4	24
23	Superoxide Production by NADPH Oxidase Intensifies Macrophage Antiviral Responses during Diabetogenic Coxsackievirus Infection. Journal of Immunology, 2018, 200, 61-70.	0.8	12
24	Redox-Dependent Inflammation in Islet Transplantation Rejection. Frontiers in Endocrinology, 2018, 9, 175.	3.5	29
25	Antiretroviral therapy potentiates high-fat diet induced obesity and glucose intolerance. Molecular Metabolism, 2018, 12, 48-61.	6.5	17
26	Sex differences underlying pancreatic islet biology and its dysfunction. Molecular Metabolism, 2018, 15, 82-91.	6.5	90
27	Islet encapsulation with polyphenol coatings decreases pro-inflammatory chemokine synthesis and T cell trafficking. Biomaterials, 2017, 128, 19-32.	11.4	69
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	NADPH Oxidaseâ€"Derived Superoxide Provides a Third Signal for CD4 T Cell Effector Responses. Journal of Immunology, 2016, 197, 1733-1742.	0.8	52
30	Diabetes: Hydrogen-Bonded Multilayers of Tannic Acid as Mediators of T-Cell Immunity (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	7.6	1
31	Loss of NADPH Oxidaseâ€"Derived Superoxide Skews Macrophage Phenotypes to Delay Type 1 Diabetes. Diabetes, 2015, 64, 937-946.	0.6	80
32	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
33	Minireview: Directed Differentiation and Encapsulation of Islet Î²-Cellsâ€"Recent Advances and Future Considerations. Molecular Endocrinology, 2015, 29, 1388-1399.	3.7	12
34	Loss of NOX-Derived Superoxide Exacerbates Diabetogenic CD4 T-Cell Effector Responses in Type 1 Diabetes. Diabetes, 2015, 64, 4171-4183.	0.6	18
35	Hydrogenâ€Bonded Multilayers of Tannic Acid as Mediators of Tâ€Cell Immunity. Advanced Healthcare Materials, 2015, 4, 686-694.	7.6	86
36	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

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37	Effects of Metalloporphyrins on Reducing Inflammation and Autoimmunity. Antioxidants and Redox Signaling, 2014, 20, 2465-2477.	5.4	34
38	Reactive Oxygen Species â€" Key Immune Mediators in Type 1 Diabetes. , 2014, , 3493-3520.		0
39	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
40	Enhancement of Antitumor Immunity in Lung Cancer by Targeting Myeloid-Derived Suppressor Cell Pathways. Cancer Research, 2013, 73, 6609-6620.	0.9	75
41	Ultrathin Polymeric Coatings Based on Hydrogenâ€Bonded Polyphenol for Protection of Pancreatic Islet Cells. Advanced Functional Materials, 2012, 22, 3389-3398.	14.9	141
42	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
43	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
44	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
45	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
46	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
47	Neuroprotective Efficacy from a Lipophilic Redox-Modulating Mn(III) <i>N</i>-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
48	Redox Modulation Protects Islets From Transplant-Related Injury. Diabetes, 2010, 59, 1731-1738.	0.6	61
49	NADPH Oxidase Deficiency Regulates Th Lineage Commitment and Modulates Autoimmunity. Journal of Immunology, 2010, 185, 5247-5258.	0.8	122
50	FoxO1 Links Insulin Resistance to Proinflammatory Cytokine IL-1Î² Production in Macrophages. Diabetes, 2009, 58, 2624-2633.	0.6	155
51	Long-term neuroprotection from a potent redox-modulating metalloporphyrin in the rat. Free Radical Biology and Medicine, 2009, 47, 917-923.	2.9	48
52	Redox modulation inhibits CD8 T cell effector function. Free Radical Biology and Medicine, 2008, 45, 1477-1486.	2.9	59
53	Human proinsulin C-peptide reduces high glucose-induced proliferation and NF-Îº B activation in vascular smooth muscle cells. Atherosclerosis, 2008, 201, 248-257.	0.8	62
54	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

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55	Preeclampsia Activates Circulating Immune Cells with Engagement of the NF-kappaB Pathway. American Journal of Reproductive Immunology, 2006, 56, 135-144.	1.2	77
56	Modulatory Role of DR4- to DQ8-restricted CD4 T-Cell Responses and Type 1 Diabetes Susceptibility. Diabetes, 2006, 55, 3455-3462.	0.6	14
57	Response of Human Islets to Isolation Stress and the Effect of Antioxidant Treatment. Diabetes, 2004, 53, 2559-2568.	0.6	251
58	Caspase-1 Is Not Required for Type 1 Diabetes in the NOD Mouse. Diabetes, 2004, 53, 99-104.	0.6	53
59	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
60	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
61	Activation of the Mitogen-Activated Protein Kinase Signaling Pathway Is Instrumental in Determining the Ability of<i>Mycobacterium avium</i>to Grow in Murine Macrophages. Journal of Immunology, 2002, 168, 825-833.	0.8	84
62	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