

# Won Fen Wong

## List of Publications by Year in descending order

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86  
papers

4,809  
citations

117625

34  
h-index

102487

66  
g-index

90  
all docs

90  
docs citations

90  
times ranked

7315  
citing authors

#	ARTICLE	IF	CITATIONS
1	The E-Cadherin and N-Cadherin Switch in Epithelial-to-Mesenchymal Transition: Signaling, Therapeutic Implications, and Challenges. <i>Cells</i> , 2019, 8, 1118.	4.1	703
2	Applications of deep eutectic solvents in biotechnology and bioengineering—Promises and challenges. <i>Biotechnology Advances</i> , 2017, 35, 105-134.	11.7	361
3	T-Cell Exhaustion in Chronic Infections: Reversing the State of Exhaustion and Reinvigorating Optimal Protective Immune Responses. <i>Frontiers in Immunology</i> , 2018, 9, 2569.	4.8	241
4	Signal Transducer and Activator of Transcription (STATs) Proteins in Cancer and Inflammation: Functions and Therapeutic Implication. <i>Frontiers in Oncology</i> , 2019, 9, 48.	2.8	231
5	In Vitro and In Vivo Toxicity Profiling of Ammonium-Based Deep Eutectic Solvents. <i>PLoS ONE</i> , 2015, 10, e0117934.	2.5	204
6	The Microbiome and Irritable Bowel Syndrome – A Review on the Pathophysiology, Current Research and Future Therapy. <i>Frontiers in Microbiology</i> , 2019, 10, 1136.	3.5	191
7	Natural deep eutectic solvents: cytotoxic profile. <i>SpringerPlus</i> , 2016, 5, 913.	1.2	190
8	Antidiabetic and Antioxidant Properties of Alkaloids from <i>Catharanthus roseus</i> (L.) G. Don. <i>Molecules</i> , 2013, 18, 9770-9784.	3.8	176
9	Emerging frontiers of deep eutectic solvents in drug discovery and drug delivery systems. <i>Journal of Controlled Release</i> , 2019, 316, 168-195.	9.9	140
10	Unraveling the cytotoxicity and metabolic pathways of binary natural deep eutectic solvent systems. <i>Scientific Reports</i> , 2017, 7, 41257.	3.3	121
11	Induction of Apoptosis in Human Breast Cancer Cells via Caspase Pathway by Vernodalin Isolated from <i>Centratherrum anthelminticum</i> (L.) Seeds. <i>PLoS ONE</i> , 2013, 8, e56643.	2.5	119
12	Prevalence, antimicrobial susceptibility and virulotyping of <i>Listeria</i> species and <i>Listeria monocytogenes</i> isolated from open-air fish markets. <i>BMC Microbiology</i> , 2015, 15, 144.	3.3	100
13	Paracrine IL-6 signaling mediates the effects of pancreatic stellate cells on epithelial-mesenchymal transition via Stat3/Nrf2 pathway in pancreatic cancer cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 296-306.	2.4	91
14	Interplay of transcription factors in T-cell differentiation and function: the role of Runx. <i>Immunology</i> , 2011, 132, 157-164.	4.4	89
15	Synergistic effect of quercetin and quinic acid by alleviating structural degeneration in the liver, kidney and pancreas tissues of STZ-induced diabetic rats: A mechanistic study. <i>Food and Chemical Toxicology</i> , 2014, 71, 183-196.	3.6	85
16	The Runx3 Transcription Factor Augments Th1 and Down-Modulates Th2 Phenotypes by Interacting with and Attenuating GATA3. <i>Journal of Immunology</i> , 2009, 183, 7817-7824.	0.8	67
17	Chlamydiaceae: Diseases in Primary Hosts and Zoonosis. <i>Microorganisms</i> , 2019, 7, 146.	3.6	66
18	Immune Biomarkers for Diagnosis and Treatment Monitoring of Tuberculosis: Current Developments and Future Prospects. <i>Frontiers in Microbiology</i> , 2019, 10, 2789.	3.5	66

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19	Nickel(II) Complex of Polyhydroxybenzaldehyde N4-Thiosemicarbazone Exhibits Anti-Inflammatory Activity by Inhibiting NF- $\kappa$ B Transactivation. PLoS ONE, 2014, 9, e100933.	2.5	63
20	Hydrophobic deep eutectic solvents: Current progress and future directions. Journal of Industrial and Engineering Chemistry, 2021, 97, 142-162.	5.8	61
21	Vindogentianine, a hypoglycemic alkaloid from Catharanthus roseus (L.) G. Don (Apocynaceae). F $\ddot{A}$ -toterap $\ddot{A}$ - $\ddot{A}$ $\ddot{c}$ , 2015, 102, 182-188.	2.2	59
22	Induction of apoptosis in melanoma A375 cells by a chloroform fraction of <i>Centratherum anthelminticum</i> (L.) seeds involves NF- $\kappa$ B, p53 and Bcl-2-controlled mitochondrial signaling pathways. BMC Complementary and Alternative Medicine, 2013, 13, 166.	3.7	51
23	Dentatin Induces Apoptosis in Prostate Cancer Cells via Bcl-2, Bcl-xL, Survivin Downregulation, Caspase-9, -3/7 Activation, and NF- $\kappa$ B Inhibition. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-15.	1.2	48
24	Runx1 Deficiency in CD4+ T Cells Causes Fatal Autoimmune Inflammatory Lung Disease Due to Spontaneous Hyperactivation of Cells. Journal of Immunology, 2012, 188, 5408-5420.	0.8	45
25	From nanoengineering to nanomedicine: A facile route to enhance biocompatibility of graphene as a potential nano-carrier for targeted drug delivery using natural deep eutectic solvents. Chemical Engineering Science, 2019, 195, 95-106.	3.8	45
26	Doxorubicin Loading on Functional Graphene as a Promising Nanocarrier Using Ternary Deep Eutectic Solvent Systems. ACS Omega, 2020, 5, 1656-1668.	3.5	41
27	Down-regulation of Runx1 Expression by TCR Signal Involves an Autoregulatory Mechanism and Contributes to IL-2 Production. Journal of Biological Chemistry, 2011, 286, 11110-11118.	3.4	40
28	Phytometabolites Targeting the Warburg Effect in Cancer Cells: A Mechanistic Review. Current Drug Targets, 2017, 18, 1086-1094.	2.1	40
29	Prevalence of Nitrite and Nitrate Contents and Its Effect on Edible Bird Nest's Color. Journal of Food Science, 2013, 78, T1940-7.	3.1	39
30	$\hat{I}^2$ Mangostin suppress LPS-induced inflammatory response in RAW 264.7 macrophages in vitro and carrageenan-induced peritonitis in vivo. Journal of Ethnopharmacology, 2014, 153, 435-445.	4.1	39
31	Metabolomics and 16S rRNA sequencing of human colorectal cancers and adjacent mucosa. PLoS ONE, 2018, 13, e0208584.	2.5	39
32	Evaluation of cytotoxic and chemotherapeutic properties of boldine in breast cancer using in vitro and in vivo models. Drug Design, Development and Therapy, 2014, 8, 719.	4.3	38
33	Subditine, a New Monoterpenoid Indole Alkaloid from Bark of <i>Nauclea subdita</i> (Korth.) Steud. Induces Apoptosis in Human Prostate Cancer Cells. PLoS ONE, 2014, 9, e87286.	2.5	38
34	Preparation of graphene oxide/dendrimer hybrid carriers for delivery of doxorubicin. Chemical Engineering Journal, 2015, 281, 771-781.	12.7	38
35	Transcriptomic and Genomic Approaches for Unravelling <i>Candida albicans</i> Biofilm Formation and Drug Resistance—An Update. Genes, 2018, 9, 540.	2.4	37
36	Antimicrobial activity of a quaternized BODIPY against <i>Staphylococcus</i> strains. Organic and Biomolecular Chemistry, 2016, 14, 2665-2670.	2.8	36

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37	Cyclodextrin- and dendrimer-conjugated graphene oxide as a nanocarrier for the delivery of selected chemotherapeutic and photosensitizing agents. <i>Materials Science and Engineering C</i> , 2018, 89, 307-315.	7.3	32
38	The Arf GAP SMAP2 is necessary for organized vesicle budding from the trans-Golgi network and subsequent acrosome formation in spermiogenesis. <i>Molecular Biology of the Cell</i> , 2013, 24, 2633-2644.	2.1	31
39	Phenylpropanoids isolated from <i>Piper sarmentosum</i> Roxb. induce apoptosis in breast cancer cells through reactive oxygen species and mitochondrial-dependent pathways. <i>Chemico-Biological Interactions</i> , 2018, 279, 210-218.	4.0	30
40	Upregulation of insulin secretion and downregulation of pro-inflammatory cytokines, oxidative stress and hyperglycemia in STZ-nicotinamide-induced type 2 diabetic rats by <i>Pseuduvaria monticola</i> bark extract. <i>Food and Chemical Toxicology</i> , 2014, 66, 295-306.	3.6	29
41	Smad1 deficiency perturbs receptor trafficking and predisposes mice to myelodysplasia. <i>Journal of Clinical Investigation</i> , 2013, 123, 1123-1137.	8.2	29
42	Nickel(II) complexes of polyhydroxybenzaldehyde N4-thiosemicarbazones: synthesis, structural characterization and antimicrobial activities. <i>Transition Metal Chemistry</i> , 2014, 39, 81-94.	1.4	28
43	Triclosan Demonstrates Synergic Effect with Amphotericin B and Fluconazole and Induces Apoptosis-Like Cell Death in <i>Cryptococcus neoformans</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 360.	3.5	27
44	Prevalence of plasmid-bearing and plasmid-free <i>Chlamydia trachomatis</i> infection among women who visited obstetrics and gynecology clinics in Malaysia. <i>BMC Microbiology</i> , 2016, 16, 45.	3.3	26
45	Overexpression of Runx1 transcription factor impairs the development of thymocytes from the double-negative to double-positive stages. <i>Immunology</i> , 2010, 130, 243-253.	4.4	24
46	<i>Cinnamomum cassia</i> Suppresses Caspase-9 through Stimulation of AKT1 in MCF-7 Cells but Not in MDA-MB-231 Cells. <i>PLoS ONE</i> , 2015, 10, e0145216.	2.5	23
47	<i>Chlamydia</i> and Its Many Ways of Escaping the Host Immune System. <i>Journal of Pathogens</i> , 2019, 2019, 1-9.	1.4	23
48	Targeting of tubulin polymerization and induction of mitotic blockage by Methyl 2-(5-fluoro-2-hydroxyphenyl)-1H-benzo[d]imidazole-5-carboxylate (MBIC) in human cervical cancer HeLa cell. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016, 35, 58.	8.6	21
49	Chronic restraint stress impairs sociability but not social recognition and spatial memory in C57BL/6J mice. <i>Experimental Animals</i> , 2019, 68, 113-124.	1.1	21
50	Suppression of cell division-associated genes by <i>Helicobacter pylori</i> attenuates proliferation of RAW264.7 monocytic macrophage cells. <i>Scientific Reports</i> , 2015, 5, 11046.	3.3	20
51	Nipah Virus Infection of Immature Dendritic Cells Increases Its Transendothelial Migration Across Human Brain Microvascular Endothelial Cells. <i>Frontiers in Microbiology</i> , 2018, 9, 2747.	3.5	20
52	An Overview of <i>Helicobacter pylori</i> Survival Tactics in the Hostile Human Stomach Environment. <i>Microorganisms</i> , 2021, 9, 2502.	3.6	20
53	Potentiating the anti-cancer profile of tamoxifen-loaded graphene using deep eutectic solvents as functionalizing agents. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 293-304.	3.1	18
54	In vitro Anti-oxidant and Anti-cancer Activity of Methanolic Extract from <i>Sanchezia speciosa</i> Leaves. <i>Pakistan Journal of Biological Sciences</i> , 2013, 16, 1212-1215.	0.5	18

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55	Diversity of endocervical microbiota associated with genital Chlamydia trachomatis infection and infertility among women visiting obstetrics and gynecology clinics in Malaysia. PLoS ONE, 2019, 14, e0224658.	2.5	17
56	2â€dodecanol (decyl methyl carbinol) inhibits hyphal formation and <i>SIR2</i> expression in <i>C. albicans</i>. Journal of Basic Microbiology, 2009, 49, 579-583.	3.3	16
57	CPAF, HSP60 and MOMP antigens elicit pro-inflammatory cytokines production in the peripheral blood mononuclear cells from genital Chlamydia trachomatis-infected patients. Immunobiology, 2019, 224, 34-41.	1.9	16
58	Genome-Wide Transcription Study of Cryptococcus neoformans H99 Clinical Strain versus Environmental Strains. PLoS ONE, 2015, 10, e0137457.	2.5	16
59	Renal targeting potential of a polymeric drug carrier, poly-L-glutamic acid, in normal and diabetic rats. International Journal of Nanomedicine, 2017, Volume 12, 577-591.	6.7	15
60	Simulation of Deep Eutectic Solventsâ€™ Interaction with Membranes of Cancer Cells Using COSMO-RS. Journal of Physical Chemistry B, 2020, 124, 9086-9094.	2.6	15
61	The Immunobiology of Nipah Virus. Microorganisms, 2022, 10, 1162.	3.6	15
62	The open conformation of WASP regulates its nuclear localization and gene transcription in myeloid cells. International Immunology, 2014, 26, 341-352.	4.0	13
63	The Role of Smoothened-Dependent and -Independent Hedgehog Signaling Pathway in Tumorigenesis. Biomedicines, 2021, 9, 1188.	3.2	12
64	Centratherum anthelminticum (L.) Kuntze a Potential Medicinal Plant with Pleiotropic Pharmacological and Biological Activities. International Journal of Pharmacology, 2013, 9, 211-226.	0.3	12
65	Innate Immunity Crosstalk with Helicobacter pylori: Pattern Recognition Receptors and Cellular Responses. International Journal of Molecular Sciences, 2022, 23, 7561.	4.1	12
66	Tâ€cell receptor signaling induces <i>proximal Runx1</i> transactivation via a calcineurinâ€NFAT pathway. European Journal of Immunology, 2014, 44, 894-904.	2.9	11
67	Chronic Inflammatory Diseases at Secondary Sites Ensuing Urogenital or Pulmonary Chlamydia Infections. Microorganisms, 2020, 8, 127.	3.6	11
68	Defining the Role of GLI/Hedgehog Signaling in Chemoresistance: Implications in Therapeutic Approaches. Cancers, 2021, 13, 4746.	3.7	11
69	Temporal proteomic profiling of <i>Chlamydia trachomatis</i>â€infected HeLaâ€229 human cervical epithelial cells. Proteomics, 2016, 16, 1347-1360.	2.2	10
70	Oral immunization of a non-recombinant Lactococcus lactis surface displaying influenza hemagglutinin 1 (HA1) induces mucosal immunity in mice. PLoS ONE, 2017, 12, e0187718.	2.5	10
71	In vitro Antioxidant, PTP-1B Inhibitory Effects and in vivo Hypoglycemic Potential of Selected Medicinal Plants. International Journal of Pharmacology, 2012, 9, 50-57.	0.3	9
72	Podoplanin Drives Motility of Active Macrophage via Regulating Filamin C During Helicobacter pylori Infection. Frontiers in Immunology, 2021, 12, 702156.	4.8	9

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73	A Comprehensive Review of the Evolution of Insulin Development and Its Delivery Method. <i>Pharmaceutics</i> , 2022, 14, 1406.	4.5	9
74	The artificial loss of Runx1 reduces the expression of quiescence-associated transcription factors in CD4 + T lymphocytes. <i>Molecular Immunology</i> , 2015, 68, 223-233.	2.2	8
75	Mutagenicity evaluation of <i>Anastatica hierochuntica</i> L. aqueous extract <i>in vitro</i> and <i>in vivo</i> . <i>Experimental Biology and Medicine</i> , 2018, 243, 375-385.	2.4	8
76	<i>In vitro</i> evaluation of novel low-pressure spark plasma sintered HA/BG composite scaffolds for bone tissue engineering. <i>RSC Advances</i> , 2020, 10, 23813-23828.	3.6	8
77	(6E,10E) Isopolycerasoidol and (6E,10E) Isopolycerasoidol Methyl Ester, Prenylated Benzopyran Derivatives from <i>Pseuduvaria monticola</i> Induce Mitochondrial-Mediated Apoptosis in Human Breast Adenocarcinoma Cells. <i>PLoS ONE</i> , 2015, 10, e0126126.	2.5	7
78	The Prevalence of Anti-Aquaporin 4 Antibody in Patients with Idiopathic Inflammatory Demyelinating Diseases Presented to a Tertiary Hospital in Malaysia: Presentation and Prognosis. <i>Multiple Sclerosis International</i> , 2017, 2017, 1-6.	0.8	7
79	<i>Momordica charantia</i> Suppresses Inflammation and Glycolysis in Lipopolysaccharide-Activated RAW264.7 Macrophages. <i>Molecules</i> , 2020, 25, 3783.	3.8	7
80	Lung-infiltrating T helper 17 cells as the major source of interleukin-17A production during pulmonary <i>Cryptococcus neoformans</i> infection. <i>BMC Immunology</i> , 2018, 19, 32.	2.2	6
81	Pharmacological Activities and Chemical Constituents of <i>Ferula szowitsiana</i> DC. <i>Journal of Medical Sciences (Faisalabad, Pakistan)</i> , 2013, 13, 236-243.	0.0	6
82	<i>Persea declinata</i> (Bl.) Kosterm Bark Crude Extract Induces Apoptosis in MCF-7 Cells via G0/G1 Cell Cycle Arrest, Bcl-2/Bax/Bcl-xL Signaling Pathways, and ROS Generation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-14.	1.2	5
83	Phencyclidine dose optimisation for induction of spatial learning and memory deficits related to schizophrenia in C57BL/6 mice. <i>Experimental Animals</i> , 2018, 67, 421-429.	1.1	5
84	Insertion of single-chain variable fragment (scFv) peptide linker improves surface display of influenza hemagglutinin (HA1) on non-recombinant <i>Lactococcus lactis</i> . <i>Biotechnology Progress</i> , 2017, 33, 154-162.	2.6	4
85	Analgesic, anti-inflammatory and NF- $\kappa$ B inhibitory activity of aerial parts of <i>Cestrum diurnum</i> . <i>Clinical Phytoscience</i> , 2022, 8, .	1.6	3
86	Multiple Players in the Mechanical Control of T Cell Quiescence. , 2017, , .		0