

# Chi-On Chan

## List of Publications by Year in descending order

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42  
papers

1,018  
citations

394421

19  
h-index

454955

30  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of berberine and total alkaloid content in Cortex Phellodendri by near infrared spectroscopy (NIRS) compared with high-performance liquid chromatography coupled with ultra-visible spectrometric detection. <i>Analytica Chimica Acta</i> , 2007, 592, 121-131.	5.4	121
2	A Review on the Traditional Chinese Medicinal Herbs and Formulae with Hypolipidemic Effect. <i>BioMed Research International</i> , 2014, 2014, 1-21.	1.9	80
3	Rapid analysis of Radix puerariae by near-infrared spectroscopy. <i>Journal of Chromatography A</i> , 2009, 1216, 2130-2135.	3.7	64
4	Novel cycloartane triterpenoid from <i>Cimicifuga foetida</i> (Sheng ma) induces mitochondrial apoptosis via inhibiting Raf/MEK/ERK pathway and Akt phosphorylation in human breast carcinoma MCF-7 cells. <i>Chinese Medicine</i> , 2016, 11, 1.	4.0	52
5	Anti-inflammatory activities and mechanisms of action of the petroleum ether fraction of <i>Rosa multiflora</i> Thunb. hips. <i>Journal of Ethnopharmacology</i> , 2011, 138, 717-722.	4.1	44
6	Mass spectral profiling: An effective tool for quality control of herbal medicines. <i>Analytica Chimica Acta</i> , 2007, 604, 89-98.	5.4	43
7	A Review of the Phytochemistry and Pharmacological Activities of Raphani Semen. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-16.	1.2	43
8	Simultaneous Determination of Eight Anthraquinones in Semen Cassiae by HPLC-DAD. <i>Phytochemical Analysis</i> , 2012, 23, 110-116.	2.4	41
9	Recent advances in the compound-oriented and pattern-oriented approaches to the quality control of herbal medicines. <i>Chinese Medicine</i> , 2008, 3, 9.	4.0	39
10	Development of an in-line HPLC fingerprint ion-trap mass spectrometric method for identification and quality control of Radix Scrophulariae. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 830-835.	2.8	38
11	Mass spectrometry-based untargeted metabolomics approach for differentiation of beef of different geographic origins. <i>Food Chemistry</i> , 2021, 338, 127847.	8.2	37
12	Two new antioxidant diarylheptanoids from the fruits of <i>Alpinia oxyphylla</i> . <i>Journal of Asian Natural Products Research</i> , 2013, 15, 1094-1099.	1.4	30
13	Qualitative and quantitative analysis of chemical constituents of <i>Centipeda minima</i> by HPLC-QTOF-MS & HPLC-DAD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 125, 400-407.	2.8	30
14	HBx-K130M/V131I Promotes Liver Cancer in Transgenic Mice via AKT/FOXO1 Signaling Pathway and Arachidonic Acid Metabolism. <i>Molecular Cancer Research</i> , 2019, 17, 1582-1593.	3.4	29
15	Petroleum ether extractive of the hips of <i>Rosa multiflora</i> ameliorates collagen-induced arthritis in rats. <i>Journal of Ethnopharmacology</i> , 2014, 157, 45-54.	4.1	28
16	<i>Centipeda minima</i> (Ebushicao) extract inhibits PI3K-Akt-mTOR signaling in nasopharyngeal carcinoma CNE-1 cells. <i>Chinese Medicine</i> , 2015, 10, 26.	4.0	26
17	Fingerprint Analysis and Simultaneous Determination of Phenolic Compounds in Extracts of <i>Curculiginis Rhizoma</i> by HPLC-Diode Array Detector. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 802-808.	1.3	22
18	Qualitative and quantitative analysis of sesquiterpene lactones in <i>Centipeda minima</i> by UPLC-Orbitrap-MS & UPLC-QQQ-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 174, 360-366.	2.8	21

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19	Rapid authentication of Gastrodiae rhizoma by direct ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 938, 90-97.	5.4	20
20	Clinical and histopathological features of chronic hepatitis B virus infected patients with high HBV-DNA viral load and normal alanine aminotransferase level: A multicentre-based study in China. <i>PLoS ONE</i> , 2018, 13, e0203220.	2.5	20
21	A Metabolomics Study on the Bone Protective Effects of a Lignan-Rich Fraction From <i>Sambucus Williamsii</i> Ramulus in Aged Rats. <i>Frontiers in Pharmacology</i> , 2018, 9, 932.	3.5	16
22	Identifying bioactive components in natural products through chromatographic fingerprint. <i>Analytica Chimica Acta</i> , 2015, 870, 45-55.	5.4	15
23	Cholesterol-lowering effects of piceatannol, a stilbene from wine, using untargeted metabolomics. <i>Journal of Functional Foods</i> , 2017, 28, 127-137.	3.4	15
24	Suppression of Diet-Induced Hypercholesterolemia by Turtle Jelly, A Traditional Chinese Functional Food, in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-15.	1.2	14
25	Gui-ling-gao, a traditional Chinese functional food, prevents oxidative stress-induced apoptosis in H9c2 cardiomyocytes. <i>Food and Function</i> , 2013, 4, 745.	4.6	14
26	Discrimination between Leave of <i>Apocynum venetum</i> and Its Adulterant, <i>A. pictum</i> Based on Antioxidant Assay and Chemical Profiles Combined with Multivariate Statistical Analysis. <i>Antioxidants</i> , 2015, 4, 359-372.	5.1	13
27	<i>Lactobacillus casei</i> Strain Shirota Ameliorates Dextran Sulfate Sodium-Induced Colitis in Mice by Increasing Taurine-Conjugated Bile Acids and Inhibiting NF- $\kappa$ B Signaling via Stabilization of I $\kappa$ B $\alpha$ . <i>Frontiers in Nutrition</i> , 2022, 9, 816836.	3.7	12
28	Comparative Evaluation of Chemical Profiles of <i>Pyrosiae Folium</i> Originating from Three <i>Pyrosia</i> Species by HPLC-DAD Combined with Multivariate Statistical Analysis. <i>Molecules</i> , 2017, 22, 2122.	3.8	11
29	The lignan-rich fraction from <i>Sambucus Williamsii</i> Hance ameliorates dyslipidemia and insulin resistance and modulates gut microbiota composition in ovariectomized rats. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111372.	5.6	11
30	Prenylated Isoflavonoids-Rich Extract of <i>Erythrinae Cortex</i> Exerted Bone Protective Effects by Modulating Gut Microbial Compositions and Metabolites in Ovariectomized Rats. <i>Nutrients</i> , 2021, 13, 2943.	4.1	9
31	Enhanced Intestinal Permeability of Bufalin by a Novel Bufalin-Peptide-Dendrimer Inclusion through Caco-2 Cell Monolayer. <i>Molecules</i> , 2017, 22, 2088.	3.8	8
32	Selective Estrogen Receptor Modulator-Like Activities of <i>Herba epimedii</i> Extract and its Interactions With Tamoxifen and Raloxifene in Bone Cells and Tissues. <i>Frontiers in Pharmacology</i> , 2020, 11, 571598.	3.5	8
33	Rapid differentiation of <i>Ganoderma</i> species by direct ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 999, 99-106.	5.4	7
34	Altered metabolites in guinea pigs with allergic asthma after acupoint sticking therapy: New insights from a metabolomics approach. <i>Phytomedicine</i> , 2019, 54, 182-194.	5.3	7
35	Chemical Analysis of <i>Astragali Complanati Semen</i> and Its Hypocholesterolemic Effect Using Serum Metabolomics Based on Gas Chromatography-Mass Spectrometry. <i>Antioxidants</i> , 2017, 6, 57.	5.1	6
36	Shugan Xiaozhi Decoction Attenuates Nonalcoholic Steatohepatitis by Enhancing PPAR $\alpha$ and L-FABP Expressions in High-Fat-Fed Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-11.	1.2	5

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37	Water extract of Er-xian decoction selectively exerts estrogenic activities and interacts with SERMs in estrogen-sensitive tissues. <i>Journal of Ethnopharmacology</i> , 2021, 275, 114096.	4.1	5
38	Sichuan pepper attenuates H <sub>2</sub> O <sub>2</sub> -induced apoptosis via antioxidant activity and up-regulating heme oxygenase-1 gene expression in primary rat hepatocytes. <i>Journal of Food Biochemistry</i> , 2017, 41, e12403.	2.9	4
39	Biological effect of dysregulated LBX1 on adolescent idiopathic scoliosis through modulating muscle carbohydrate metabolism. <i>Spine Journal</i> , 2022, 22, 1551-1565.	1.3	4
40	Water Extract of Rhizoma Drynaria Selectively Exerts Estrogenic Activities in Ovariectomized Rats and Estrogen Receptor-Positive Cells. <i>Frontiers in Endocrinology</i> , 2022, 13, 817146.	3.5	3
41	Schwann cell-specific Pten inactivation reveals essential role of the sympathetic nervous system activity in adipose tissue development. <i>Biochemical and Biophysical Research Communications</i> , 2020, 531, 118-124.	2.1	2
42	Correlation-assisted nearest shrunken centroid classifier with applications for high dimensional spectral data. <i>Journal of Chemometrics</i> , 2016, 30, 37-45.	1.3	1