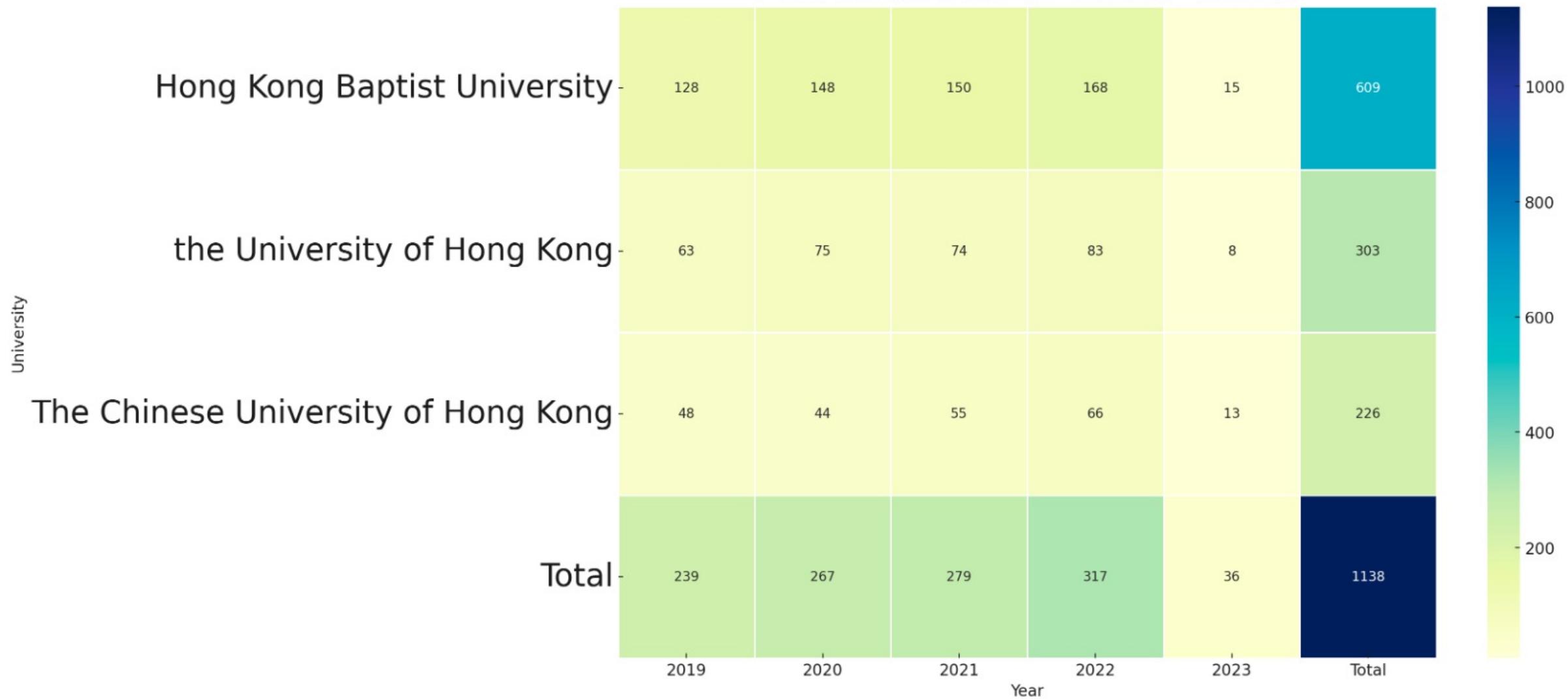


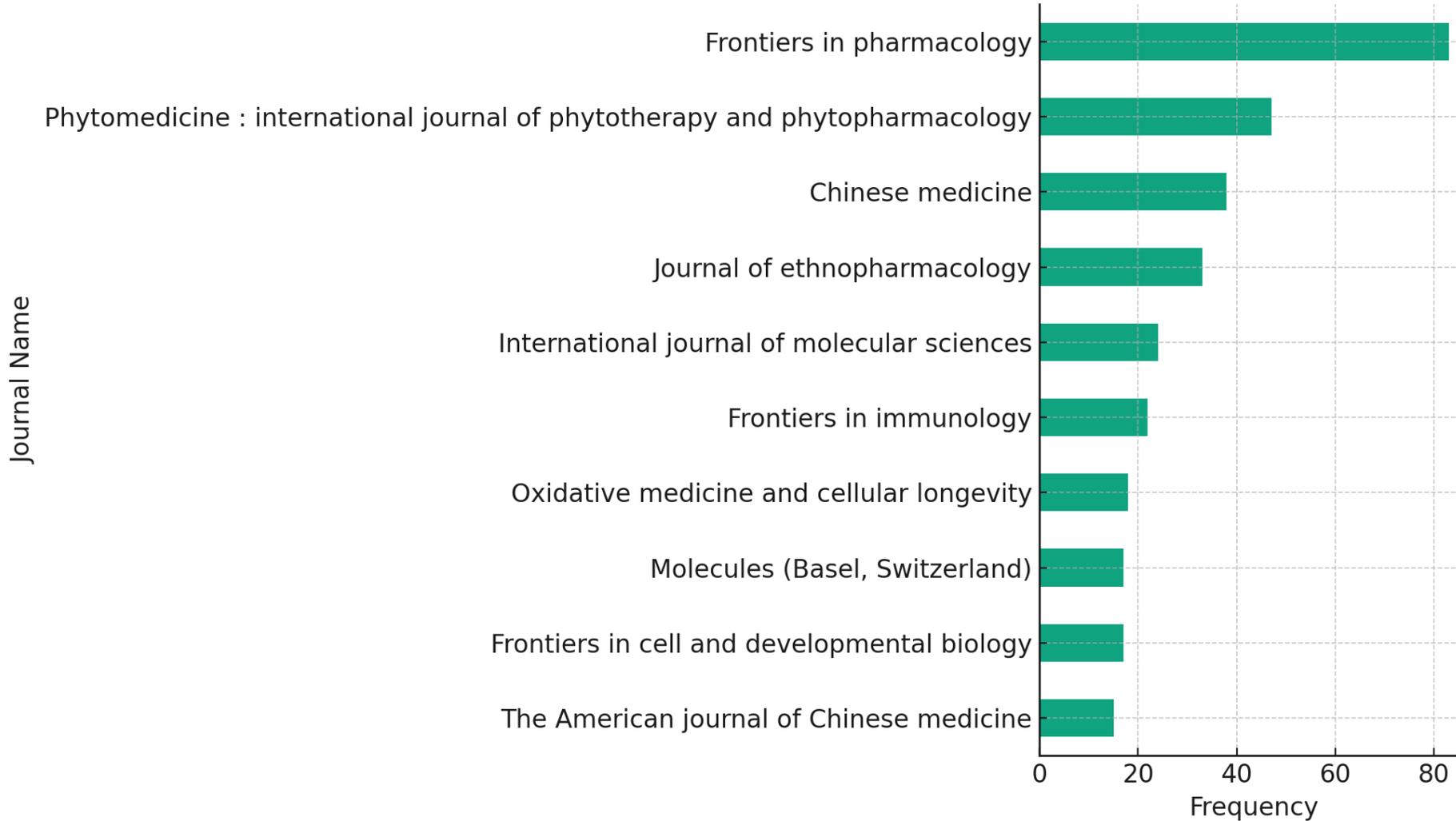
Research Directions and Outcome from Schools of Chinese Medicine in HK

Vivian Taam Wong,
Keith Kwan

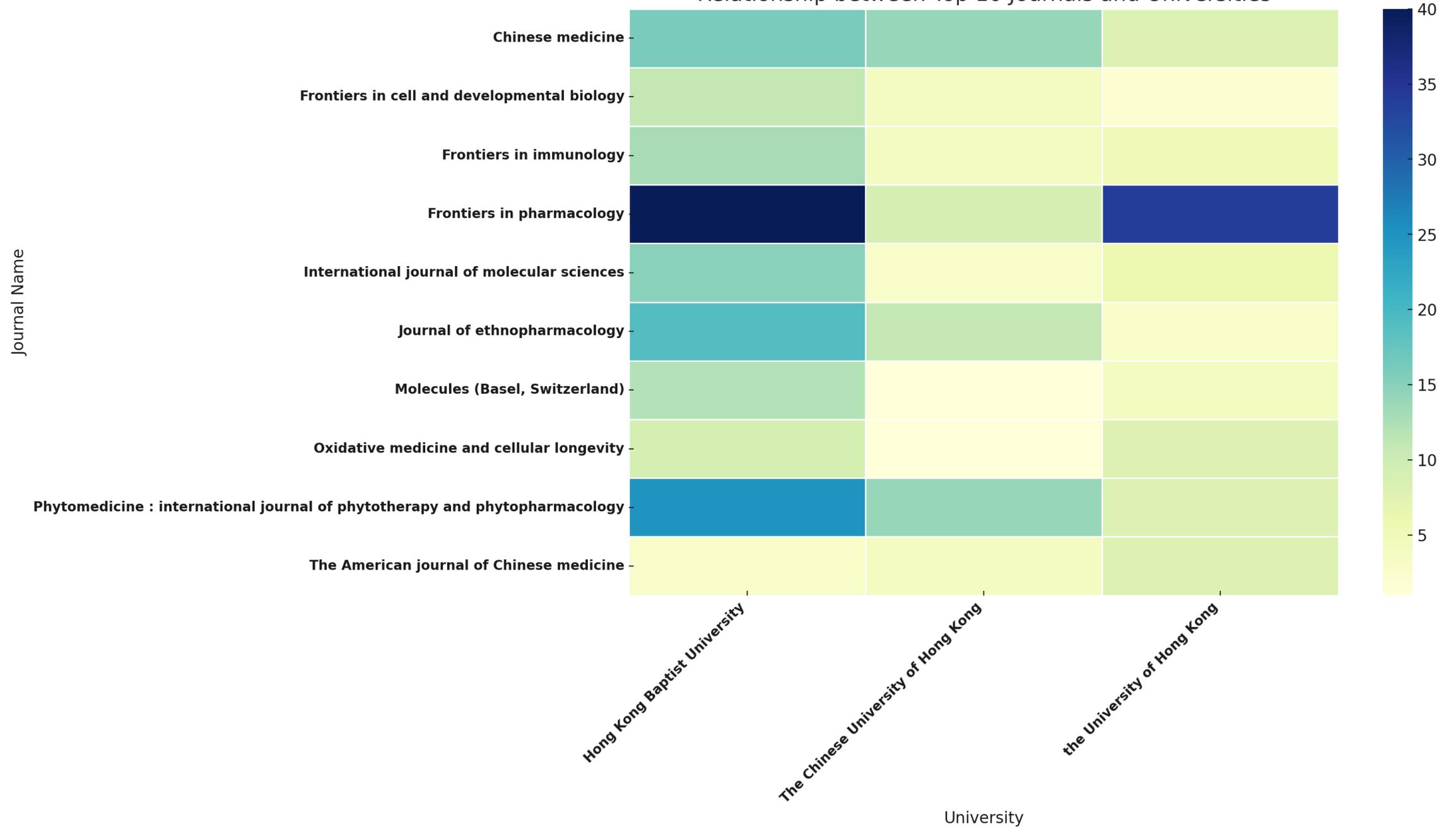
Publications of 2019-2023



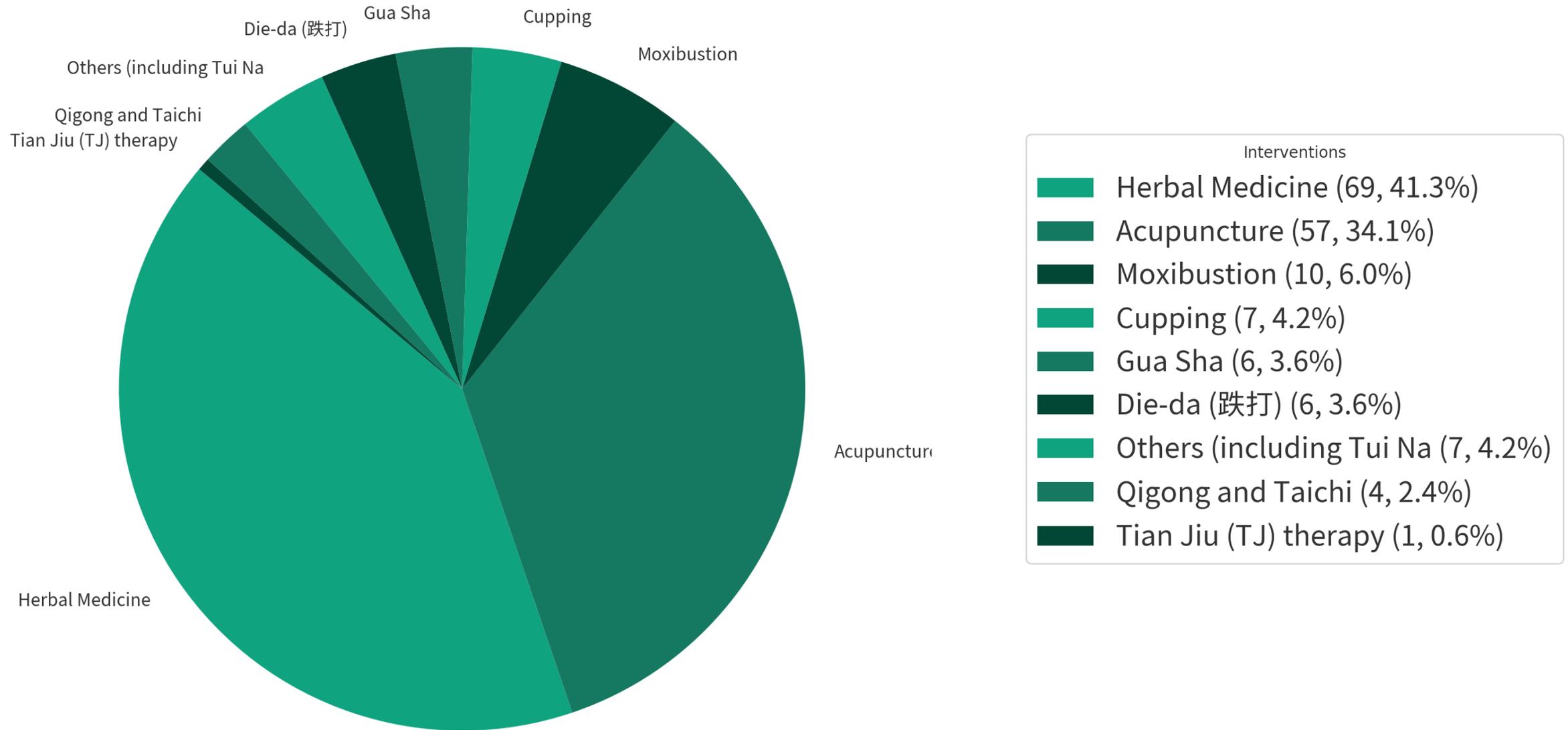
Top 10 Most Frequently Mentioned Journals (Horizontal Bar Chart)



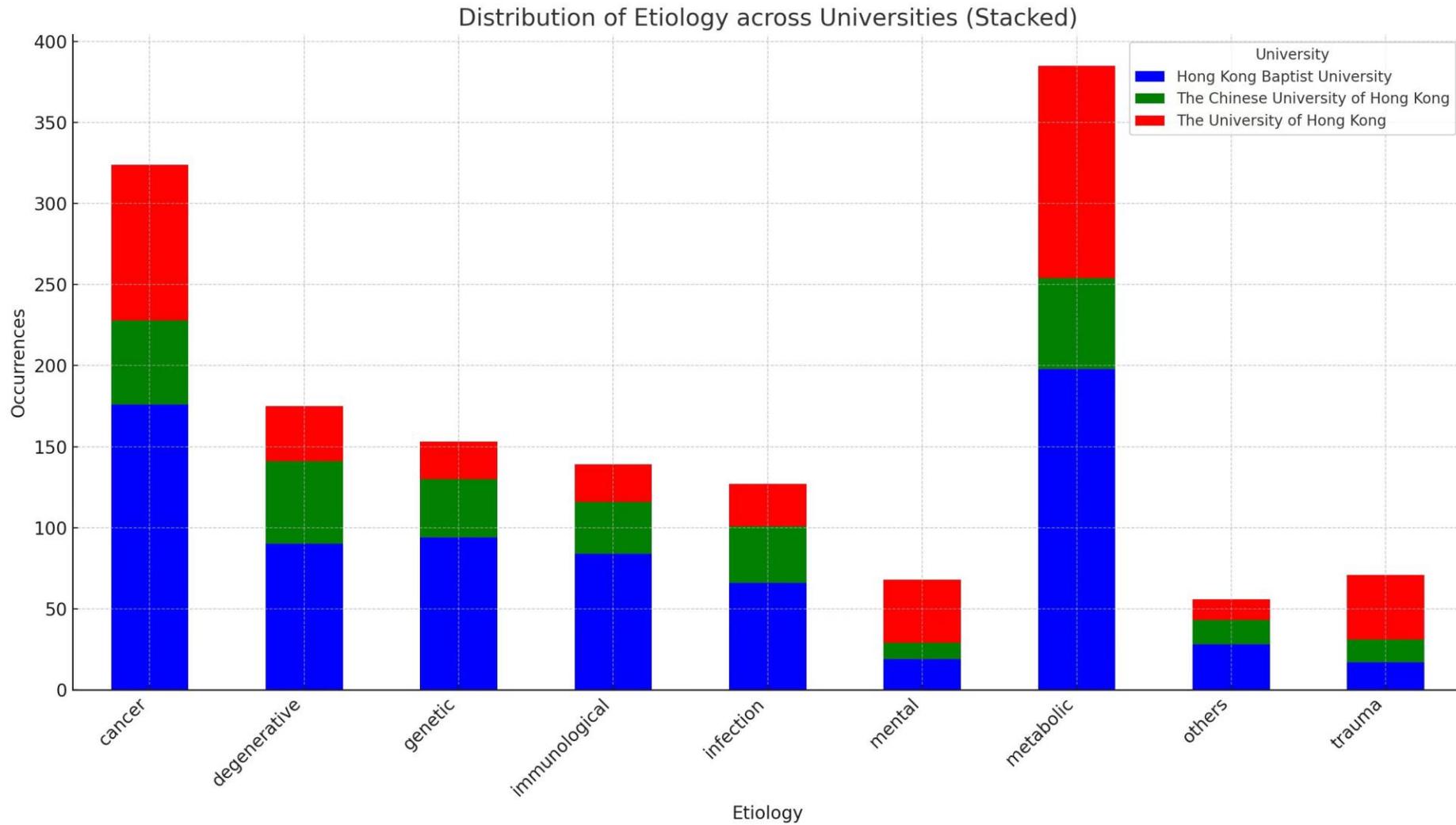
Relationship between Top 10 Journals and Universities



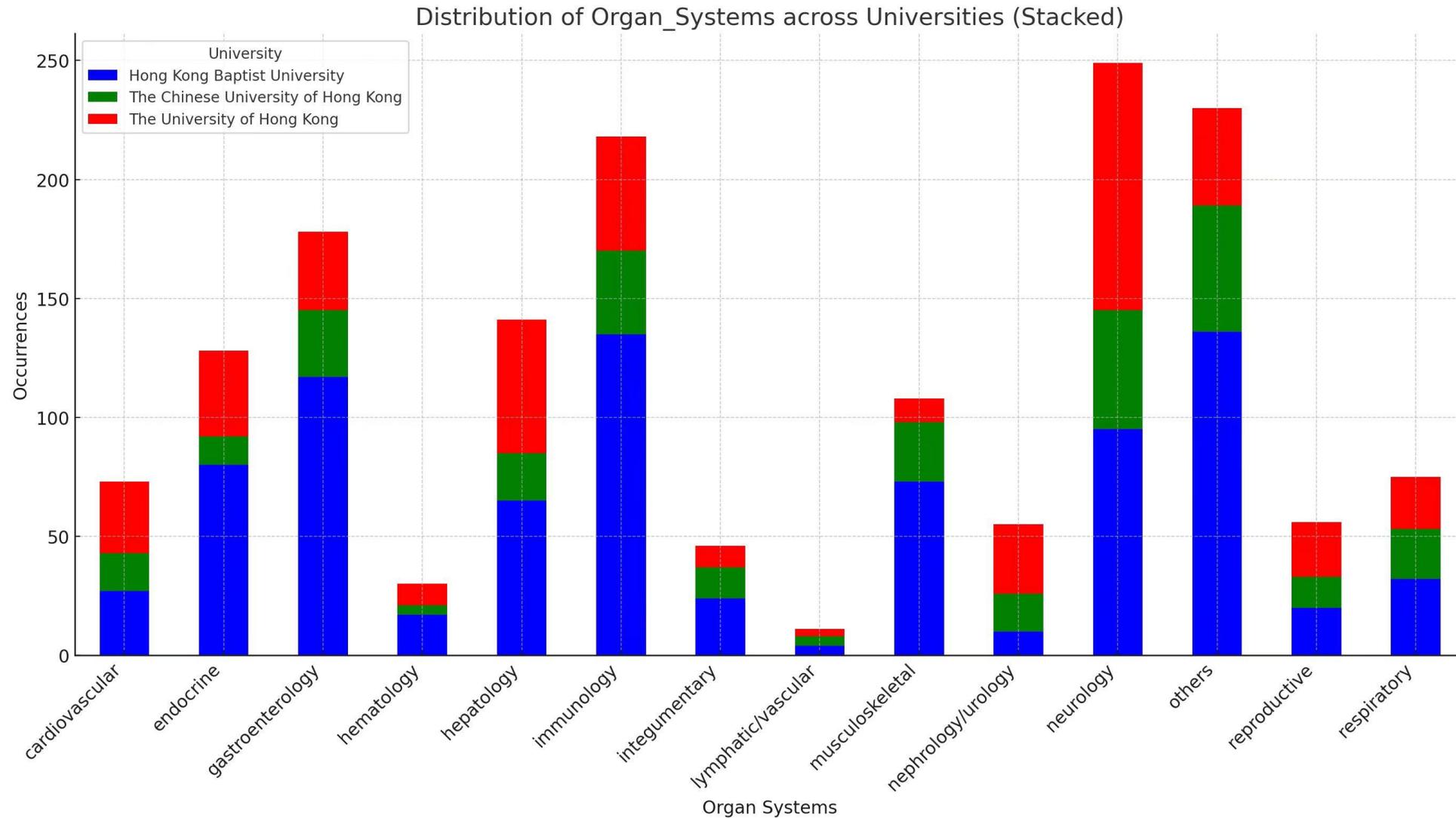
Publication based on interventions



Publication based on etiology



Publication based on organ systems

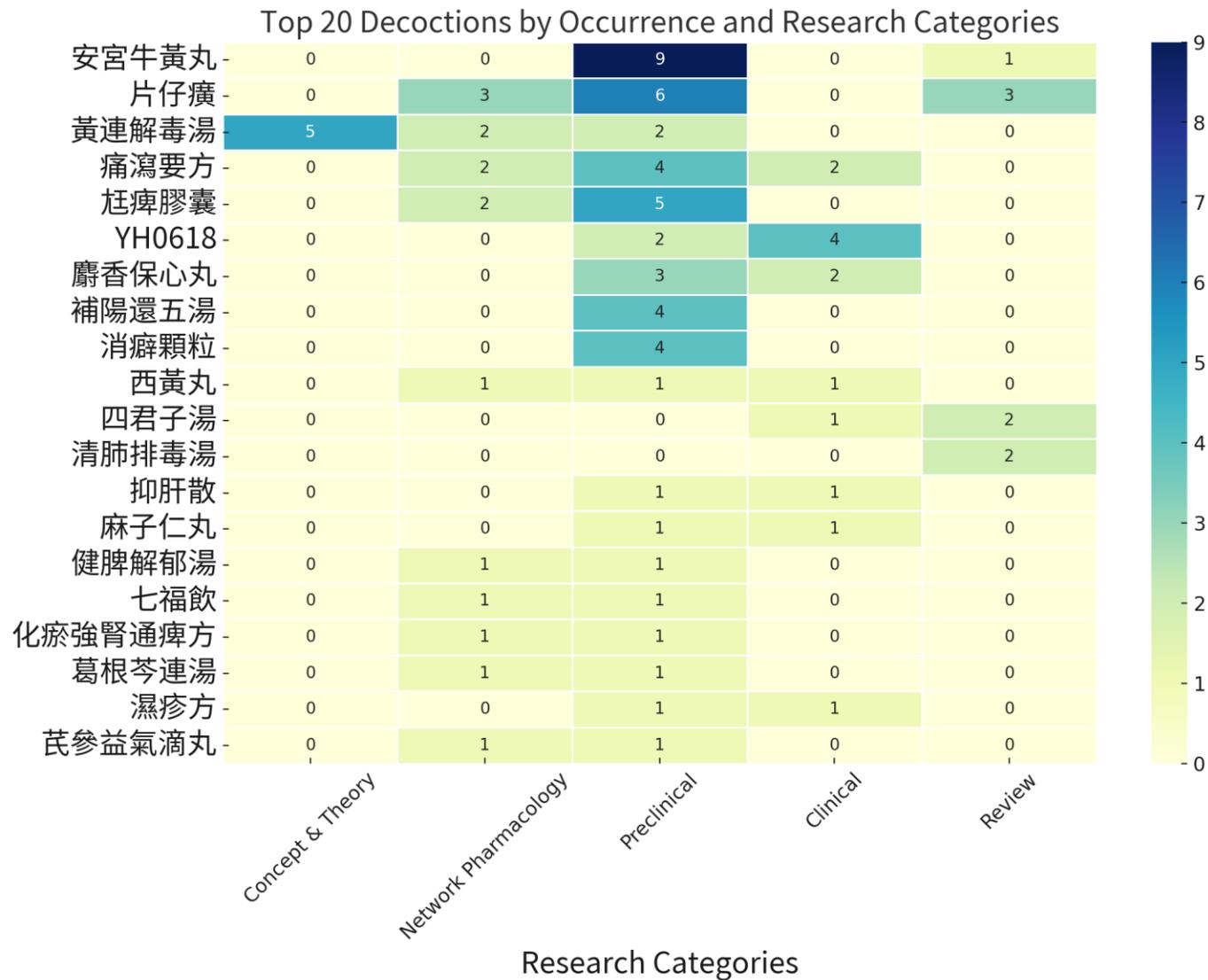


Top 20 Herbs by Occurrence and Research Categories



Top 20 researched Herbs

Top 20 researched Decoctions





ASIA'S GLOBAL UNIVERSITY (2022)

1st most international university in the world

3rd in Asia

21st in the world

10th most employable graduates in the world

世界評級和影響力



港大醫學院全球排名再創高峰



2023年《泰晤士高等教育》世界大學「臨床與健康」學科排名



中醫藥學院多位科學家 入選世界級評級系統



躋身世界前1%學者行列

科睿唯安2022年度數據



馮奕斌教授



沈劍剛教授



全球首2% 頂尖科學家



馮奕斌教授



王寧博士



陳建萍博士



陳海勇博士

(史丹福大學全球首2%科學家排行榜)

Research Direction and teams

研究方向和團隊

Cancer & metabolic
diseases

Neurological-Mental
Disorders

HKU
Med
Chinese
Medicine

Autoimmune &
infectious diseases

Cardio-cerebrovascular
diseases



Research Outputs (2006 – 2023.3)

科研產出

| Research outputs | | No. |
|-----------------------------------|--|---------------|
| Total papers | | 1254 |
| -English papers | | - 961 |
| -Chinese papers | | - 293 |
| Total no. of Citation (by Google) | | 41383 |
| Average citation | | 46.92 |
| The highest single paper citation | | 1443 |
| The highest impact factor | | 41.444 |
| Books & Book Chapters | | 145 |
| Patents | | 102 |

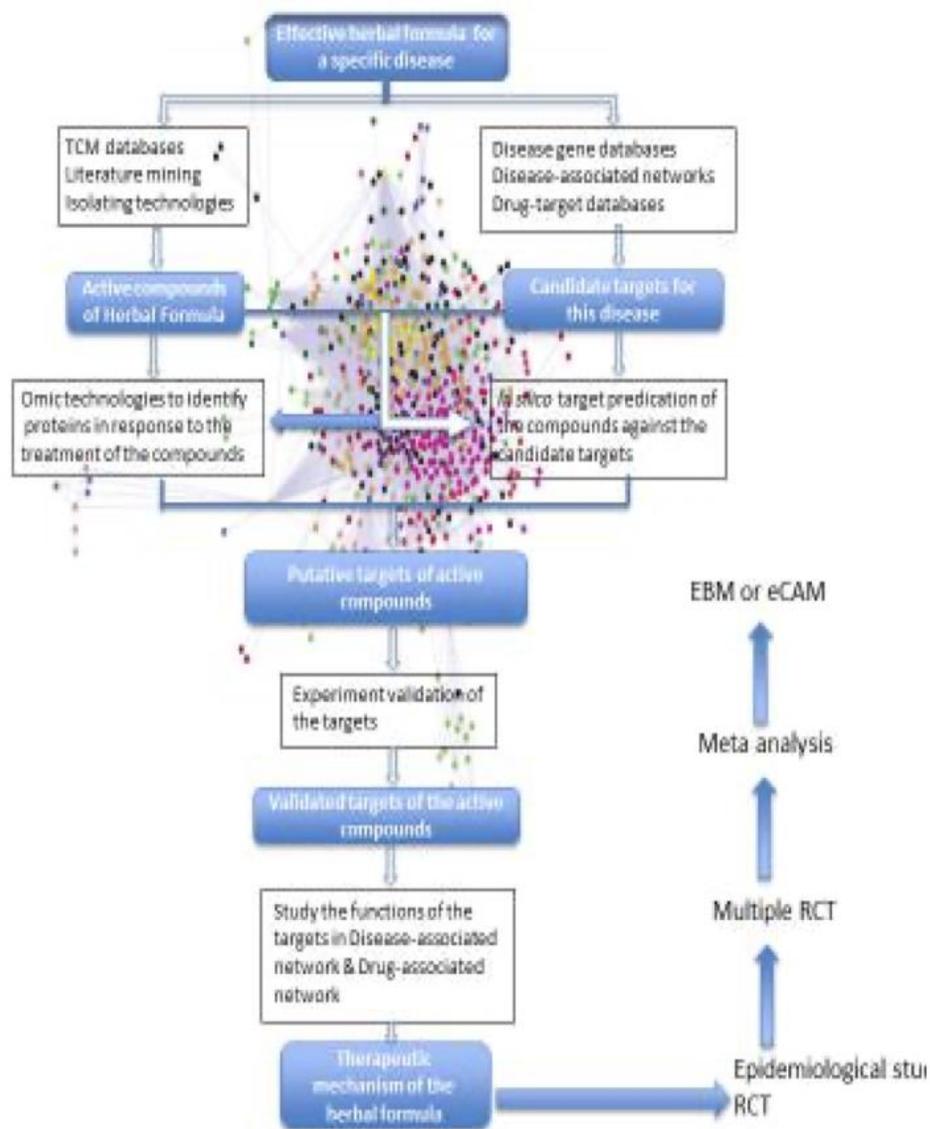
High impact journal publications (journals in JAN 2022- MAR 2023)

| Impact Factor | No. of Publication |
|---------------|--------------------|
| over 17 | 9 |
| 14-16.99 | 2 |
| 11-13.99 | 6 |
| 8-10.99 | 12 |
| 7-7.99 | 8 |
| 6-6.99 | 22 |
| Under 6 | 51 |
| Total: | 110 |

大數據、組學、網絡藥理學、臨床前和臨床研究

Big data, OMICs, Network-pharmacology, mechanism and clinical studies

Data mining: from bench to clinical studies



Research Studies with Network, OMICs, Machine Learning, Single cell-associated approaches

| Representative Publications (2019-2023) | Figure | Identified targets |
|--|--------|--|
| Dian YD, ..., Wang N, Feng Y. Pancreatic melatonin enhances anti-tumor immunity in pancreatic adenocarcinomas through regulating tumor-associated neutrophils infiltration and NETosis. <i>Acta Pharmacologica Sinica</i> . 2023. | | Anti-tumor effect of pancreatic melatonin by promoting the infiltration and NETosis |
| Zhang C, ..., Feng Y, et al. Single-cell co-expression analysis using computational machine learning reveals additive immunopathologic and myocardial responses for multi-organ failure in COVID-19. <i>Clinical and Translational Medicine</i> 2023;12(4):6. | | Functional gene modules for multi-organ failure of COVID-19 using machine learning |
| Li Y, ..., Wang N, Feng Y, et al. Thiodiazin-interacting protein-activated intracellular potassium deprivation mediates the anti-tumor effect of a novel histone acetylation inhibitor HL23, a fangchinoline derivative, in human hepatocellular carcinoma. <i>Journal of Advanced Research</i> 2022. Nov. 9:20209-202022102045-6. | | HL23 as a novel target to trigger TXNIP-dependent potassium deprivation and enhance sorafenib efficacy in HCC treatment. |
| Tan H Y, ..., Feng Y, et al. Lyxyl Oxidase-Like 4 Fosters an Immunosuppressive Microenvironment During Hepatocarcinogenesis. <i>Hepatology</i> . 2021; 73(6): 2326-2341. | | LOXL4 facilitates immune evasion by tumor cells and leads to hepatocarcinogenesis |
| Xu Y, ..., Feng Y. Fecal autoengulfing Sapporo Modulate the Gut Microbiota to Promote Thermogenesis and Brown Adipocyte Recruitment via Lipid-Mediated AMPK/STAT3 Signaling in Diet-Induced Obesity. <i>Theranostics</i> 2020; Sep. 10 (24): 1302-1323. | | leptin signaling is critical for alterations in microbiota-fat crosstalk in the treatment of obesity. |
| Wang N, ..., Feng Y, et al. SBP2 deficiency in adipose tissue macrophages drives insulin resistance in obesity. <i>Science Advances</i> 2019;5(8):eaav0198. | | SBP2 in ATMs as a potential target in rescuing insulin resistance in obesity |
| Tan, H. Y., ..., Feng, Y., et al. Combination of Gentiana rhodantha and Gerbera anandria in the BL02 formula as therapeutics to non-small cell lung carcinoma acting via Rap1/cdc42 signaling: a Transcriptomics/Bioinformatics biological validation approach. <i>Pharmacological Research</i> , 2019; 104:415. | | Rap1/cdc42 signaling as the therapeutic target for non-small cell lung carcinoma |
| Wang, N., ..., Feng, Y., et al. OMICs approaches-assisted identification of macrophage-derived MIP-1gamma as the therapeutic target of botanical products TMTL in diabetic retinopathy. <i>Cell Commun Signal</i> , 2019; 17(1): 81. | | Inhibition of MIP1γ/CCR1 axis contributes to DR treatment |

Chinese medicines studied in our group 主要研究對象



Coptis chinensis Franch



Scutellaria baicalensis Georgi



Gardenia jasminoides Ellis.



Anemarrhena asphodeloides Bge.



Stephania tetrandra S. Moore.,



Ursus thibetanus Cuvier



Salvia miltiorrhiza Bge.



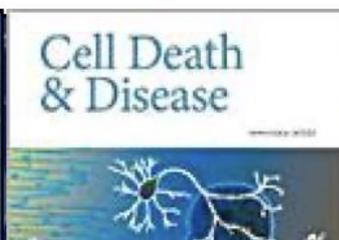
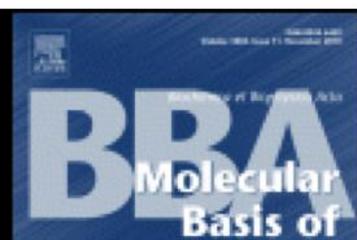
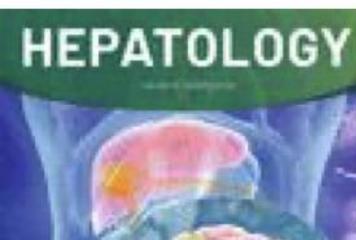
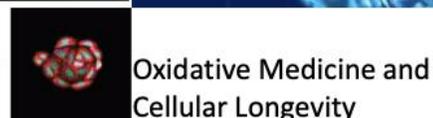
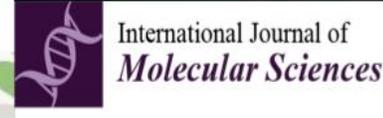
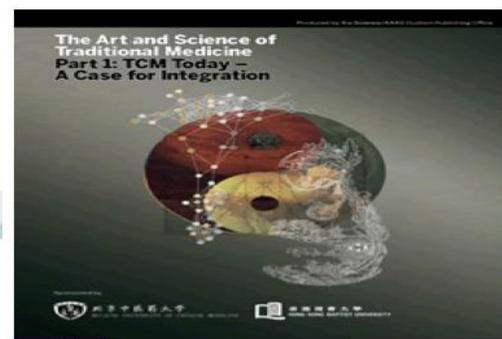
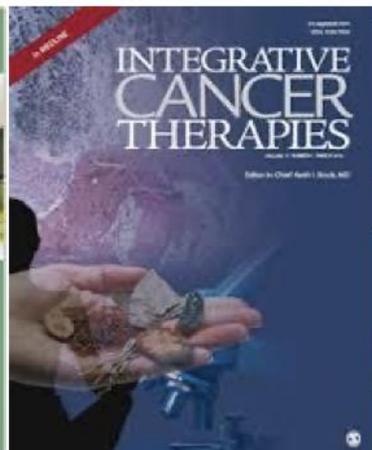
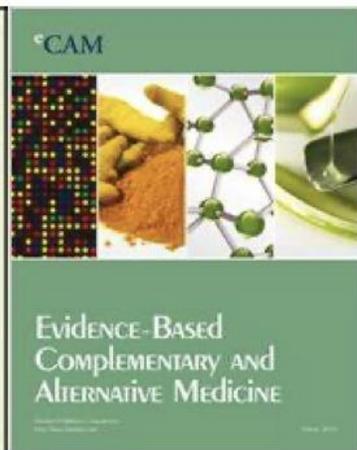
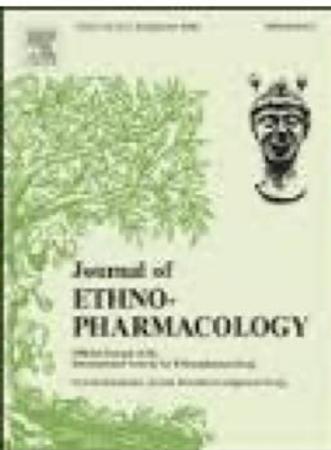
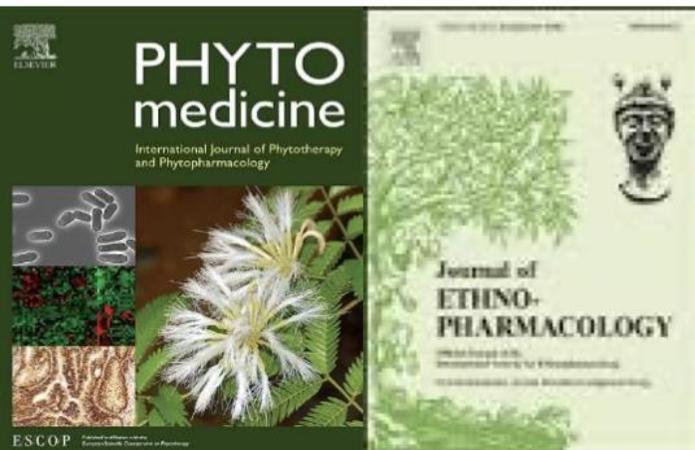
Schisandra chinensis (Turcz.) Baill.



Panax notoginseng (Burkill) F. H. Chen ex C. Y. Wu & K. M. Feng

Our Recent Related Publications

我們近期發表的學術論文



Signal Transduction and Targeted Therapy

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nature > signal transduction and targeted therapy > articles > article

Article | Open Access | Published: 26 February 2021

PIWIL1 governs the crosstalk of cancer cell metabolism and immunosuppressive microenvironment in hepatocellular carcinoma



Chinese Medicine R&D Strategy

我的中醫藥研發策略

- Treatment strategy (guideline) and products (health products, drugs and devices etc.):

1. Original discovery from Chinese Medicines: single and multi-component products. 單複方原創發現發明

2. Secondary development of old products: patented preparation and classic formulae. 中藥單複方二次優化升級

3. Systematic development for some specialty in category of Chinese medicines and diseases. 對中醫藥特色的理論診斷治療等的系統優化升級





**HKU
Med** LKS Faculty of Medicine
The University of Hong Kong
香港大學李嘉誠醫學院

HKU SCM and TTO joint seminar on April 1, 2023. Lecture Theatre 2,
HKUMed Academic Building 3 Sassoon Road, Pokfulam, Hong Kong
One of series academic events for 25th anniversary of SCM HKU

Development Strategy for Translational Research, Industrialization and Commercialization in School of Chinese Medicine, HKU

香港大學中醫藥學院的轉化研究，產業化和商
業化的發展策略

Yibin FENG Professor and Director

School of Chinese Medicine, Li Ka Shing Faculty of Medicine, HKU

馮奕斌博士 香港大學中醫藥學院教授和院長

