

# Bee Luan Khoo

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

3,366  
citations

304743

22  
h-index

254184

43  
g-index

50  
all docs

50  
docs citations

50  
times ranked

4167  
citing authors

#	ARTICLE	IF	CITATIONS
1	A portable purification system for the rapid removal of microplastics from environmental samples. <i>Chemical Engineering Journal</i> , 2022, 428, 132614.	12.7	24
2	A 6-gene panel as a signature to predict recovery from advanced heart failure using transcriptomic analysis. <i>Genes and Diseases</i> , 2022, 9, 1178-1180.	3.4	2
3	Early Predictor Tool of Disease Using Label-Free Liquid Biopsy-Based Platforms for Patient-Centric Healthcare. <i>Cancers</i> , 2022, 14, 818.	3.7	6
4	Rapid detection of microorganisms in a fish infection microfluidics platform. <i>Journal of Hazardous Materials</i> , 2022, 431, 128572.	12.4	8
5	A Quadrotor With a Passively Reconfigurable Airframe for Hybrid Terrestrial Locomotion. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 4741-4751.	5.8	15
6	Sensitive detection of microRNAs using polyadenine-mediated fluorescent spherical nucleic acids and a microfluidic electrokinetic signal amplification chip. <i>Journal of Pharmaceutical Analysis</i> , 2022, 12, 808-813.	5.3	11
7	Bacterial targeted AIE photosensitizers synergistically promote chemotherapy for the treatment of inflammatory cancer. <i>Chemical Engineering Journal</i> , 2022, 447, 137579.	12.7	17
8	Accurate prediction of drug-induced heterogeneous response of red cell in vivo using a gravity-driven flow cytometry based on a microfluidic chip. <i>Analytica Chimica Acta</i> , 2022, 1221, 340151.	5.4	2
9	Liquid biopsy technologies for hematological diseases. <i>Medicinal Research Reviews</i> , 2021, 41, 246-274.	10.5	15
10	Investigating the influence of physiologically relevant hydrostatic pressure on CHO cell batch culture. <i>Scientific Reports</i> , 2021, 11, 162.	3.3	5
11	Microfluidic studies of hydrostatic pressure-enhanced doxorubicin resistance in human breast cancer cells. <i>Lab on A Chip</i> , 2021, 21, 746-754.	6.0	17
12	Worm-Based Microfluidic Biosensor for Real-Time Assessment of the Metastatic Status. <i>Cancers</i> , 2021, 13, 873.	3.7	13
13	The effects of biofilms on tumor progression in a 3D cancer-biofilm microfluidic model. <i>Biosensors and Bioelectronics</i> , 2021, 180, 113113.	10.1	22
14	Label-free biosensor of phagocytosis for diagnosing bacterial infections. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113412.	10.1	16
15	A wood-templated unidirectional piezoceramic composite for transmuscular ultrasonic wireless power transfer. <i>Energy and Environmental Science</i> , 2021, 14, 6574-6585.	30.8	30
16	Urine biopsy technologies: Cancer and beyond. <i>Theranostics</i> , 2020, 10, 7872-7888.	10.0	51
17	A density-based threshold model for evaluating the separation of particles in heterogeneous mixtures with curvilinear microfluidic channels. <i>Scientific Reports</i> , 2020, 10, 18984.	3.3	5
18	Fasting to enhance Cancer treatment in models: the next steps. <i>Journal of Biomedical Science</i> , 2020, 27, 58.	7.0	17

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19	Detection of Clinical Mesenchymal Cancer Cells from Bladder Wash Urine for Real-Time Detection and Prognosis. <i>Cancers</i> , 2019, 11, 1274.	3.7	14
20	Microfluidic modelling of the tumor microenvironment for anti-cancer drug development. <i>Lab on A Chip</i> , 2019, 19, 369-386.	6.0	182
21	Low-dose anti-inflammatory combinatorial therapy reduced cancer stem cell formation in patient-derived preclinical models for tumour relapse prevention. <i>British Journal of Cancer</i> , 2019, 120, 407-423.	6.4	28
22	Liquid biopsy for minimal residual disease detection in leukemia using a portable blast cell biochip. <i>Npj Precision Oncology</i> , 2019, 3, 30.	5.4	23
23	Microfluidics for Fast and Frugal Diagnosis of Malaria, Sepsis, and HIV/AIDS. , 2018, , 57-75.		1
24	Characterizing Deformability and Electrical Impedance of Cancer Cells in a Microfluidic Device. <i>Analytical Chemistry</i> , 2018, 90, 912-919.	6.5	83
25	Expansion of patient-derived circulating tumor cells from liquid biopsies using a CTC microfluidic culture device. <i>Nature Protocols</i> , 2018, 13, 34-58.	12.0	128
26	Liquid Biopsy and Expansion of Patient Derived Circulating Tumor Cell Spheroids for Precision Medicine. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, SY80-3.	0.0	0
27	Selective particle and cell capture in a continuous flow using micro-vortex acoustic streaming. <i>Lab on A Chip</i> , 2017, 17, 1769-1777.	6.0	84
28	Advancing Techniques and Insights in Circulating Tumor Cell (CTC) Research. <i>Cancer Drug Discovery and Development</i> , 2017, , 71-94.	0.4	2
29	Metastatic efficiency of tumour cells can be impaired by intraoperative cell salvage process: truth or conjecture?. <i>Transfusion Medicine</i> , 2017, 27, 327-334.	1.1	24
30	Microdevices for Non-Invasive Detection of Bladder Cancer. <i>Chemosensors</i> , 2017, 5, 30.	3.6	8
31	Single-cell profiling approaches to probing tumor heterogeneity. <i>International Journal of Cancer</i> , 2016, 139, 243-255.	5.1	52
32	Evaluation of the safety of using intra-operative salvaged blood in metastatic spine tumour surgery: using microwell technique. <i>Spine Journal</i> , 2016, 16, S62.	1.3	0
33	Liquid biopsy and therapeutic response: Circulating tumor cell cultures for evaluation of anticancer treatment. <i>Science Advances</i> , 2016, 2, e1600274.	10.3	120
34	Inter-dependency relationships between patient-derived macrophages and circulating tumor cells in co-culture with relevance to novel therapeutic design. <i>Annals of Oncology</i> , 2016, 27, viii13-viii14.	1.2	0
35	Ultra-fast, label-free isolation of circulating tumor cells from blood using spiral microfluidics. <i>Nature Protocols</i> , 2016, 11, 134-148.	12.0	439
36	Genesis of Circulating Tumor Cells Through Epithelial-Mesenchymal Transition as a Mechanism for Distant Dissemination. <i>Current Cancer Research</i> , 2016, , 139-182.	0.2	5

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37	Intraoperative cell salvage in metastatic spine tumour surgery reduces potential for reinfusion of viable cancer cells. <i>European Spine Journal</i> , 2016, 25, 4008-4015.	2.2	28
38	Hybrid capillary-inserted microfluidic device for sheathless particle focusing and separation in viscoelastic flow. <i>Biomicrofluidics</i> , 2015, 9, 064117.	2.4	41
39	Malaria detection using inertial microfluidics. <i>Lab on A Chip</i> , 2015, 15, 1101-1109.	6.0	108
40	Short-term expansion of breast circulating cancer cells predicts response to anti-cancer therapy. <i>Oncotarget</i> , 2015, 6, 15578-15593.	1.8	134
41	Clinical Validation of an Ultra High-Throughput Spiral Microfluidics for the Detection and Enrichment of Viable Circulating Tumor Cells. <i>PLoS ONE</i> , 2014, 9, e99409.	2.5	165
42	Slanted spiral microfluidics for the ultra-fast, label-free isolation of circulating tumor cells. <i>Lab on A Chip</i> , 2014, 14, 128-137.	6.0	485
43	An ultra-high-throughput spiral microfluidic biochip for the enrichment of circulating tumor cells. <i>Analyst</i> , 2014, 139, 3245-3255.	3.5	173
44	Phase II study of neoadjuvant weekly paclitaxel and carboplatin with lapatinib in HER2+ breast cancer.. <i>Journal of Clinical Oncology</i> , 2014, 32, 619-619.	1.6	2
45	Isoporous Micro/Nanoengineered Membranes. <i>ACS Nano</i> , 2013, 7, 1882-1904.	14.6	140
46	Isolation and retrieval of circulating tumor cells using centrifugal forces. <i>Scientific Reports</i> , 2013, 3, 1259.	3.3	618
47	Anti-inflammatory combinatorial therapy to enhance killing efficacy with patient-derived preclinical models. , 0, , .		0
48	Heterogeneity of biomarker expression in clinical urine biopsies. , 0, , .		0