

Sarah Owen

List of Publications by Year in descending order

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21
papers

5,364
citations

471509

17
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

7537
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation of rare circulating tumour cells in cancer patients by microchip technology. <i>Nature</i> , 2007, 450, 1235-1239.	27.8	3,272
2	Microfluidic device (ExoChip) for on-chip isolation, quantification and characterization of circulating exosomes. <i>Lab on A Chip</i> , 2014, 14, 1891-1900.	6.0	522
3	Sensitive capture of circulating tumour cells by functionalized graphene oxide nanosheets. <i>Nature Nanotechnology</i> , 2013, 8, 735-741.	31.5	487
4	Expansion of CTCs from early stage lung cancer patients using a microfluidic co-culture model. <i>Oncotarget</i> , 2014, 5, 12383-12397.	1.8	175
5	Tunable Thermalâ€Sensitive Polymerâ€Graphene Oxide Composite for Efficient Capture and Release of Viable Circulating Tumor Cells. <i>Advanced Materials</i> , 2016, 28, 4891-4897.	21.0	130
6	Tumour-reprogrammed stromal BCAT1 fuels branched-chain ketoacid dependency in stromal-rich PDAC tumours. <i>Nature Metabolism</i> , 2020, 2, 775-792.	11.9	110
7	Isolation and Profiling of Circulating Tumorâ€Associated Exosomes Using Extracellular Vesicular Lipidâ€Protein Binding Affinity Based Microfluidic Device. <i>Small</i> , 2019, 15, e1903600.	10.0	106
8	Affinity Versus Labelâ€Free Isolation of Circulating Tumor Cells: Who Wins?. <i>Small</i> , 2016, 12, 4450-4463.	10.0	90
9	High-Throughput Microfluidic Labyrinth for the Label-free Isolation of Circulating Tumor Cells. <i>Cell Systems</i> , 2017, 5, 295-304.e4.	6.2	88
10	Opportunities and Challenges for Pancreatic Circulating Tumor Cells. <i>Gastroenterology</i> , 2016, 151, 412-426.	1.3	60
11	High-Throughput Label-Free Isolation of Heterogeneous Circulating Tumor Cells and CTC Clusters from Non-Small-Cell Lung Cancer Patients. <i>Cancers</i> , 2020, 12, 127.	3.7	60
12	Microfluidic device for high-throughput affinity-based isolation of extracellular vesicles. <i>Lab on A Chip</i> , 2020, 20, 1762-1770.	6.0	57
13	Onâ€Chip Biogenesis of Circulating NK Cellâ€Derived Exosomes in Nonâ€Small Cell Lung Cancer Exhibits Antitumoral Activity. <i>Advanced Science</i> , 2021, 8, 2003747.	11.2	50
14	Circulating tumor cells in precision medicine: challenges and opportunities. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 378-391.	8.7	47
15	Extracellular vesicles on demand (EVOD) chip for screening and quantification of cancer-associated extracellular vesicles. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112535.	10.1	32
16	Detection of CTC Clusters and a Dedifferentiated RNAâ€Expression Survival Signature in Prostate Cancer. <i>Advanced Science</i> , 2019, 6, 1801254.	11.2	30
17	Expansion of Circulating Tumor Cells from Patients with Locally Advanced Pancreatic Cancer Enable Patient Derived Xenografts and Functional Studies for Personalized Medicine. <i>Cancers</i> , 2020, 12, 1011.	3.7	29
18	Simultaneous Single Cell Gene Expression and EGFR Mutation Analysis of Circulating Tumor Cells Reveals Distinct Phenotypes in NSCLC. <i>Advanced Biology</i> , 2020, 4, e2000110.	3.0	12

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19	Synergistic Analysis of Circulating Tumor Cells Reveals Prognostic Signatures in Pilot Study of Treatment-Na ⁺ ve Metastatic Pancreatic Cancer Patients. <i>Biomedicines</i> , 2022, 10, 146.	3.2	3
20	Molecular biomarkers and liquid biopsies in lung cancer. <i>Seminars in Oncology</i> , 2022, 49, 275-284.	2.2	2
21	Integrated Workflow for the Label-Free Isolation and Genomic Analysis of Single Circulating Tumor Cells in Pancreatic Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7852.	4.1	2