Cha-Mei Tang

List of Publications by Year
in descending order

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39 papers	2,322 citations	361045 20 h-index	315357 38 g-index
39 all docs	39 docs citations	39 times ranked	2575 citing authors

#	Article	IF	Citations
1	Small-scale structure of two-dimensional magnetohydrodynamic turbulence. Journal of Fluid Mechanics, 1979, 90, 129-143.	1.4	444
2	Relativistic Self-Focusing of Short-Pulse Radiation Beams in Plasmas. IEEE Transactions on Plasma Science, 1987, 15, 145-153.	0.6	271
3	Circulating giant macrophages as a potential biomarker of solid tumors. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3514-3519.	3.3	229
4	Nonlinear theory of free-electron lasers and efficiency enhancement. Physical Review A, 1980, 21, 302-318.	1.0	206
5	Cytometric characterization of Circulating Tumor Cells Captured by microfiltration and their correlation to the cellsearch^{Â®} CTC test. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 137-144.	1.1	129
6	The systematic study of circulating tumor cell isolation using lithographic microfilters. RSC Advances, 2014, 4, 4334-4342.	1.7	127
7	Nonlinear Formulation and Efficiency Enhancement of Free-Electron Lasers. Physical Review Letters, 1979, 43, 1932-1936.	2.9	115
8	Sequential Tracking of PD-L1 Expression and RAD50 Induction in Circulating Tumor and Stromal Cells of Lung Cancer Patients Undergoing Radiotherapy. Clinical Cancer Research, 2017, 23, 5948-5958.	3.2	85
9	Detection of E. coli O157:H7 by immunomagnetic separation coupled with fluorescence immunoassay. Biosensors and Bioelectronics, 2011, 30, 337-341.	5.3	72
10	Detection of water-borne E. coli O157 using the integrating waveguide biosensor. Biosensors and Bioelectronics, 2005, 21, 678-683.	5.3	66
11	Circulating Cancer-Associated Macrophage-Like Cells Differentiate Malignant Breast Cancer and Benign Breast Conditions. Cancer Epidemiology Biomarkers and Prevention, 2016, 25, 1037-1042.	1.1	61
12	Grid and Slot Scan Scatter Reduction in Mammography: Comparison by Using Monte Carlo Techniques. Radiology, 2002, 222, 519-527.	3.6	60
13	Size-based detection of sarcoma circulating tumor cells and cell clusters. Oncotarget, 2017, 8, 78965-78977.	0.8	44
14	Development of a rapid and sensitive immunoassay for detection and subsequent recovery of Bacillus anthracis spores in environmental samples. Journal of Microbiological Methods, 2008, 73, 242-246.	0.7	41
15	Multi-Phenotypic subtyping of circulating tumor cells using sequential fluorescent quenching and restaining. Scientific Reports, 2016, 6, 33488.	1.6	40
16	Mitosis in circulating tumor cells stratifies highly aggressive breast carcinomas. Breast Cancer Research, 2016, 18, 44.	2.2	34
17	Three-dimensional numerical simulations of FEL's by the transverse mode spectral method. IEEE Journal of Quantum Electronics, 1985, 21, 970-978.	1.0	31
18	Precision microfilters as an all in one system for multiplex analysis of circulating tumor cells. RSC Advances, 2016, 6, 6405-6414.	1.7	29

#	Article	IF	Citations
19	Laser Beat Wave Electron Accelerator. IEEE Transactions on Nuclear Science, 1981, 28, 3346-3348.	1.2	27
20	Giant Circulating Cancer-Associated Macrophage-Like Cells Are Associated With Disease Recurrence and Survival in Nonâ€“Small-Cell Lung Cancer Treated With Chemoradiation and Atezolizumab. Clinical Lung Cancer, 2021, 22, e451-e465.	1.1	26
21	Microfabrication of freestanding metal structures using graphite substrate. Sensors and Actuators A: Physical, 2003, 103, 182-186.	2.0	20
22	Bloodâ€based biopsiesâ€"clinical utility beyond circulating tumor cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2018, 93, 1246-1250.	1.1	19
23	Development and Monte Carlo Analysis of Antiscatter Grids for Mammography. Technology in Cancer Research and Treatment, 2002, 1, 441-447.	0.8	17
24	Detection of tumor-associated cells in cryopreserved peripheral blood mononuclear cell samples for retrospective analysis. Journal of Translational Medicine, 2016, 14, 198.	1.8	17
25	Two-dimensional turbulence on the surface of a sphere. Journal of Fluid Mechanics, 1978, 87, 305-319.	1.4	15
26	Three-Dimensional Nonlinear Theory of the Free Electron Laser. AIAA Journal, 1981, 19, 1164-1168.	1.5	15
27	Circulating stromal cells in resectable pancreatic cancer correlates to pathological stage and predicts for poor clinical outcomes. Npj Precision Oncology, 2021, 5, 25.	2.3	14
28	Rapid replication of powder composite high-aspect-ratio microstructures using silicone rubber micromolds. Microsystem Technologies, 2008, 14, 1663-1667.	1.2	12
29	CCR5 activation and endocytosis in circulating tumor-derived cells isolated from the blood of breast cancer patients provide information about clinical outcome. Breast Cancer Research, 2022, 24, .	2.2	10
30	Enrichment and Molecular Analysis of Breast Cancer Disseminated Tumor Cells from Bone Marrow Using Microfiltration. PLoS ONE, 2017, 12, e0170761.	1.1	9
31	Clinical Applications of Cancer-Associated Cells Present in the Blood of Cancer Patients. Biomedicines, 2022, 10, 587.	1.4	9
32	Fabrication of antiscatter grids and collimators for X-ray and gamma-ray imaging by lithography and electroforming. Microsystem Technologies, 2008, 14, 1613-1619.	1.2	7
33	Polymer microfilters with nanostructured surfaces for the culture of circulating cancer cells. Materials Science and Engineering C, 2016, 66, 193-198.	3.8	7
34	Filtration and Analysis of Circulating Cancer Associated Cells from the Blood of Cancer Patients. Methods in Molecular Biology, 2017, 1572, 511-524.	0.4	7
35	High-aspect-ratio nanoporous membranes made by reactive ion etching and e-beam and interference lithography. Microsystem Technologies, 2014, 20, 1797-1802.	1.2	3
36	Beta 2-Adrenergic Receptor in Circulating Cancer-Associated Cells Predicts for Increases in Stromal Macrophages in Circulation and Patient Survival in Metastatic Breast Cancer. International Journal of Molecular Sciences, 2022, 23, 7299.	1.8	2

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37	Theory of electromagnetic instability of an intense beam in a quadrupole focusing system. Physical Review A, 1992, 45, 7492-7499.	1.0	1
38	Quantitative detection of zeta-chain-associated protein 70 expression in chronic lymphocytic leukemia. Leukemia and Lymphoma, 2013, 54, 579-586.	0.6	1
39	Collective Ion Acceleration with an Intense REB in a Periodic Waveguide. IEEE Transactions on Nuclear Science, 1979, 26, 4229-4230.	1.2	0