

# Chang Tian

## List of Publications by Year in descending order

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17  
papers

601  
citations

567281

15  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1031  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spiral microchannel with ordered micro-obstacles for continuous and highly-efficient particle separation. <i>Lab on A Chip</i> , 2017, 17, 3578-3591.	6.0	88
2	Polydiacetylene liposomes with phenylboronic acid tags: a fluorescence turn-on sensor for sialic acid detection and cell-surface glycan imaging. <i>Nanoscale</i> , 2018, 10, 4570-4578.	5.6	81
3	Polydiacetylene liposome-encapsulated alginate hydrogel beads for Pb <sup>2+</sup> detection with enhanced sensitivity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21690-21698.	10.3	58
4	Click synthesis of quaternized poly(dimethylaminoethyl methacrylate) functionalized graphene oxide with improved antibacterial and antifouling ability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 196-205.	5.0	56
5	Whey protein concentrate doped electrospun poly(epsilon-caprolactone) fibers for antibiotic release improvement. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 143, 371-381.	5.0	42
6	Deformability and size-based cancer cell separation using an integrated microfluidic device. <i>Analyst</i> , 2015, 140, 7335-7346.	3.5	34
7	Construction of single-cell arrays and assay of cell drug resistance in an integrated microfluidic platform. <i>Lab on A Chip</i> , 2016, 16, 4612-4620.	6.0	34
8	Colorimetric hydrazine detection and fluorescent hydrogen peroxide imaging by using a multifunctional chemical probe. <i>Analitica Chimica Acta</i> , 2019, 1052, 137-144.	5.4	32
9	Heterotypic 3D tumor culture in a reusable platform using pneumatic microfluidics. <i>Lab on A Chip</i> , 2016, 16, 4106-4120.	6.0	27
10	Pneumatic microfluidics-based multiplex single-cell array. <i>Biosensors and Bioelectronics</i> , 2016, 78, 423-430.	10.1	25
11	Determination of Benzopyrene-Induced Lung Inflammatory and Cytotoxic Injury in a Chemical Gradient-Integrated Microfluidic Bronchial Epithelium System. <i>ACS Sensors</i> , 2018, 3, 2716-2725.	7.8	25
12	Two ratiometric fluorescent probes for hypochlorous acid detection and imaging in living cells. <i>Talanta</i> , 2018, 186, 65-72.	5.5	23
13	Geometrically controlled preparation of various cell aggregates by droplet-based microfluidics. <i>Analytical Methods</i> , 2015, 7, 10040-10051.	2.7	22
14	Pneumatic-aided micro-molding for flexible fabrication of homogeneous and heterogeneous cell-laden microgels. <i>Lab on A Chip</i> , 2016, 16, 2609-2617.	6.0	22
15	Highly luminescent N-doped carbon dots as a fluorescence detecting platform for Fe <sup>3+</sup> in solutions and living cells. <i>Analyst</i> , 2020, 145, 4931-4936.	3.5	20
16	On-chip assay of the effect of topographical microenvironment on cell growth and cell-cell interactions during wound healing. <i>Biomicrofluidics</i> , 2015, 9, 064112.	2.4	8
17	Quantum dots modified with quaternized poly(dimethylaminoethyl methacrylate) for selective recognition and killing of bacteria over mammalian cells. <i>Analyst</i> , 2016, 141, 3328-3336.	3.5	4