

# Murat Gel

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

273  
citations

1040056

9  
h-index

940533

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

352  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of a Microfluidic Gas-to-Liquid Interface for Extraction of Target Amphetamines and Precursors from Air Samples. <i>Micromachines</i> , 2020, 11, 315.	2.9	3
2	Development and characterisation of a compact device for rapid real-time-on-chip detection of thrombin activity in human serum using bioluminescence resonance energy transfer (BRET). <i>Biosensors and Bioelectronics</i> , 2020, 158, 112162.	10.1	10
3	A Miniature Gas Sampling Interface with Open Microfluidic Channels: Characterization of Gas-to-Liquid Extraction Efficiency of Volatile Organic Compounds. <i>Micromachines</i> , 2019, 10, 486.	2.9	11
4	Progress in bio-manufacture of platelets for transfusion. <i>Platelets</i> , 2017, 28, 649-656.	2.3	16
5	Immobilisation of Multiple Ligands Using Peptide Nucleic Acids: A Strategy to Prepare the Microenvironment for Cell Culture. <i>ChemistrySelect</i> , 2017, 2, 4028-4032.	1.5	1
6	Characterisation of optically driven microstructures for manipulating single DNA molecules under a fluorescence microscope. <i>IET Nanobiotechnology</i> , 2016, 10, 124-128.	3.8	9
7	Sub-nanomolar detection of thrombin activity on a microfluidic chip. <i>Biomicrofluidics</i> , 2014, 8, 064110.	2.4	11
8	Real-time, continuous detection of maltose using bioluminescence resonance energy transfer (BRET) on a microfluidic system. <i>Biosensors and Bioelectronics</i> , 2014, 62, 177-181.	10.1	23
9	Fabrication of free standing microporous COC membranes optimized for in vitro barrier tissue models. <i>Sensors and Actuators A: Physical</i> , 2014, 215, 51-55.	4.1	6
10	Subcellular glucose exposure biases the spatial distribution of insulin granules in single pancreatic beta cells. <i>Scientific Reports</i> , 2014, 4, 4123.	3.3	6
11	Cell Fusion in Microfluidics. , 2014, , 1-8.		0
12	Microfluidic device for high-yield pairing and fusion of stem cells with somatic cells. , 2011, , .		2
13	Dielectrophoresis-assisted massively parallel cell pairing and fusion based on field constriction created by a micro-orifice array sheet. <i>Electrophoresis</i> , 2011, 32, 2496-2501.	2.4	41
14	Dielectrophoretic cell trapping and parallel one-to-one fusion based on field constriction created by a micro-orifice array. <i>Biomicrofluidics</i> , 2010, 4, .	2.4	80
15	10.1063/1.3422544.1. , 2010, , .		2
16	P-MCH-03 LOCALIZED SUBSTANCE DELIVERY TO SINGLE CELL BY THREE DIMENSIONAL MICROFLUIDIC DEVICE(Micro/Nanomechanics,Technical Program of Poster Session). Proceedings of JSME-IIP/ASME-ISPS Joint Conference on Micromechanics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2009, 2009, 385-386.	0.0	0
17	1P-309 HIGH-YIELD PARALLEL ELECTRO-FUSION DEVICE BASED ON FIELD CONSTRICTION AT AN ORIFICE ARRAY(The 46th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2008, 48, S70.	0.1	0
18	Mechanically Controlled Quantum Contact With On-Chip MEMS Actuator. <i>Journal of Microelectromechanical Systems</i> , 2007, 16, 1-6.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Direct Measurement of the Binding Force between Microfabricated Particles and a Planar Surface in Aqueous Solution by Force-Sensing Piezoresistive Cantilevers. <i>Langmuir</i> , 2005, 21, 11251-11261.	3.5	19
20	Fabrication method for out-of-plane, micro-coil by surface micromachining. <i>Sensors and Actuators A: Physical</i> , 2002, 97-98, 702-708.	4.1	21
21	Parallel-plate electrostatic actuation with vertical hinges. <i>Journal of Micromechanics and Microengineering</i> , 2001, 11, 555-560.	2.6	5
22	Fabrication Method for Out-of-Plane Coil by Surface Micromachining. , 2001, , 1574-1577.		1