

# Temple A Douglas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4966928/publications.pdf>

Version: 2024-02-01

13  
papers

423  
citations

1040056

9  
h-index

1372567

10  
g-index

14  
all docs

14  
docs citations

14  
times ranked

703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional Core-Shell Nanoparticles: Discovery of Previously Invisible Biomarkers. Journal of the American Chemical Society, 2011, 133, 19178-19188.	13.7	90
2	Selective advantage of trisomic human cells cultured in non-standard conditions. Scientific Reports, 2016, 6, 22828.	3.3	90
3	The use of hydrogel microparticles to sequester and concentrate bacterial antigens in a urine test for Lyme disease. Biomaterials, 2011, 32, 1157-1166.	11.4	52
4	Enhanced contactless dielectrophoresis enrichment and isolation platform via cell-scale microstructures. Biomicrofluidics, 2016, 10, 014109.	2.4	47
5	Application of Nanotrap technology for high sensitivity measurement of urinary outer surface protein A carboxyl-terminus domain in early stage Lyme borreliosis. Journal of Translational Medicine, 2015, 13, 346.	4.4	46
6	Effect of particle size on catalytic decomposition of hydrogen peroxide by platinum nanocatalysts. Journal of Catalysis, 2019, 373, 58-66.	6.2	25
7	A feasibility study for enrichment of highly aggressive cancer subpopulations by their biophysical properties via dielectrophoresis enhanced with synergistic fluid flow. Electrophoresis, 2017, 38, 1507-1514.	2.4	24
8	Characterization of Cell Membrane Permeability <i>In Vitro</i> Part II: Computational Model of Electroporation-Mediated Membrane Transport*. Technology in Cancer Research and Treatment, 2018, 17, 153303381879249.	1.9	23
9	The feasibility of using dielectrophoresis for isolation of glioblastoma subpopulations with increased stemness. Electrophoresis, 2019, 40, 2592-2600.	2.4	14
10	Mechanism and Kinetics of Methane Oxidation to Methanol Catalyzed by AuPd Nanocatalysts at Low Temperature. ACS Catalysis, 2021, 11, 2837-2845.	11.2	12
11	Mechanical and Electrical Principles for Separation of Rare Cells. , 2016, , 253-294.		0
12	Abstract 4585: Verification of prostate cancer biomarker candidates by nanoparticle-capture MRM. , 2010, , .		0
13	Abstract 4575: Covalent incorporation of a new class of dye-based affinity baits in sieving hydrogel nanoparticles overcome roadblocks to cancer biomarker discovery. , 2010, , .		0