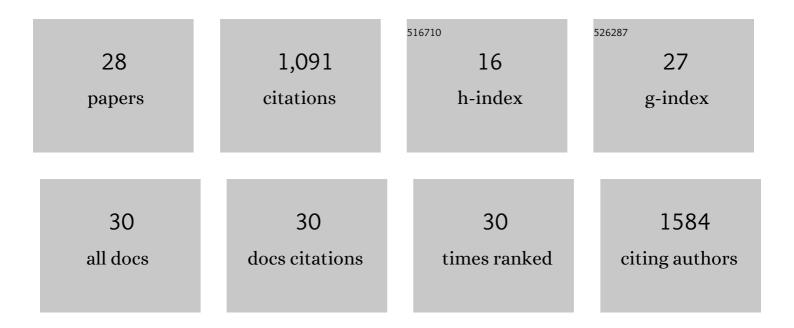
## Mohtashim Hassan Shamsi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5011683/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Electrochemistry, biosensors and microfluidics: a convergence of fields. Chemical Society Reviews, 2015, 44, 5320-5340.	38.1	279
2	A digital microfluidic electrochemical immunoassay. Lab on A Chip, 2014, 14, 547-554.	6.0	106
3	Interactions of Metal Ions with DNA and Some Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 4-23.	3.7	89
4	The first biopolymer-wrapped non-carbon nanotubes. Nanotechnology, 2008, 19, 075604.	2.6	77
5	Biosensors-on-chip: a topical review. Journal of Micromechanics and Microengineering, 2017, 27, 083001.	2.6	75
6	Electrochemiluminescence on digital microfluidics for microRNA analysis. Biosensors and Bioelectronics, 2016, 77, 845-852.	10.1	69
7	Correlating dynamical mechanical properties with temperature and clay composition of polymer-clay nanocomposites. Computational Materials Science, 2009, 45, 257-265.	3.0	48
8	Integrated Digital Microfluidic Platform for Voltammetric Analysis. Analytical Chemistry, 2013, 85, 8809-8816.	6.5	48
9	The effects of oligonucleotide overhangs on the surface hybridization in DNA films: an impedance study. Analyst, The, 2011, 136, 3107.	3.5	29
10	Investigation of the Utility of Complementary Electrochemical Detection Techniques to Examine the in Vitro Affinity of Bacterial Flagellins for a Toll-Like Receptor 5 Biosensor. Analytical Chemistry, 2015, 87, 4218-4224.	6.5	29
11	Desktop Fabrication of Lab-On-Chip Devices on Flexible Substrates: A Brief Review. Micromachines, 2020, 11, 126.	2.9	27
12	Probing nucleobase mismatch variations by electrochemical techniques: exploring the effects of position and nature of the single-nucleotide mismatch. Analyst, The, 2010, 135, 2280.	3.5	25
13	Scanning positional variations in single-nucleotide polymorphism of DNA: an electrochemical study. Analyst, The, 2012, 137, 4220.	3.5	23
14	A microfluidic method for dopamine uptake measurements in dopaminergic neurons. Lab on A Chip, 2016, 16, 543-552.	6.0	23
15	Plasmaâ€modified halloysite nanocomposites: effect of plasma modification on the structure and dynamic mechanical properties of halloysite–polystyrene nanocomposites. Polymer International, 2010, 59, 1492-1498.	3.1	21
16	Electrochemical identification of artificial oligonucleotides related to bovine species. Potential for identification of species based on mismatches in the mitochondrial cytochrome C1 oxidase gene. Analyst, The, 2011, 136, 4724.	3.5	16
17	Label-free Electrochemical Detection of CGG Repeats on Inkjet Printable 2D Layers of MoS <sub>2</sub> . ACS Applied Materials & Interfaces, 2020, 12, 52156-52165.	8.0	15
18	An unexpected use of ferrocene. A scanning electrochemical microscopy study of a toll-like receptor array and its interaction with E. coli. Chemical Communications, 2017, 53, 2946-2949.	4.1	14

#	Article	IF	CITATIONS
19	Hand-Fabricated CNT/AgNPs Electrodes using Wax-on-Plastic Platforms for Electro-Immunosensing Application. Scientific Reports, 2019, 9, 6131.	3.3	13
20	Wax patterned microwells for stem cell fate study. RSC Advances, 2016, 6, 104919-104924.	3.6	12
21	Electrochemical signature of mismatch in overhang DNA films: a scanning electrochemical microscopic study. Analyst, The, 2013, 138, 3538.	3.5	10
22	Evolution of wax-on-plastic microfluidics for sub-microliter flow dynamics and its application in distance-based assay. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	9
23	Characterization and application of fluidic properties of trinucleotide repeat sequences by wax-on-plastic microfluidics. Journal of Materials Chemistry B, 2020, 8, 743-751.	5.8	9
24	Unique sequence-dependent properties of trinucleotide repeat monolayers: electrochemical, electrical, and topographic characterization. Journal of Materials Chemistry B, 2020, 8, 5225-5233.	5.8	7
25	Novel probes for label-free detection of neurodegenerative GGGGCC repeats associated with amyotrophic lateral sclerosis. Analytical and Bioanalytical Chemistry, 2019, 411, 6995-7003.	3.7	6
26	Sequence-Independent DNA Adsorption on Few-Layered Oxygen-Functionalized Graphene Electrodes: An Electrochemical Study for Biosensing Application. Biosensors, 2021, 11, 273.	4.7	6
27	DNA interfaces with dimensional materials for biomedical applications. RSC Advances, 2021, 11, 28332-28341.	3.6	5
28	PNA microprobe for label-free detection of expanded trinucleotide repeats. RSC Advances, 2022, 12, 7757-7761.	3.6	1