

# Abu Ali Ibn Sina

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,576  
citations

361296

20  
h-index

302012

39  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward precision oncology: SERS microfluidic systems for multiplex biomarker analysis in liquid biopsy. <i>Materials Advances</i> , 2022, 3, 1459-1471.	2.6	19
2	Opportunities for Early Cancer Detection: The Rise of ctDNA Methylation-Based Pan-Cancer Screening Technologies. <i>Epigenomes</i> , 2022, 6, 6.	0.8	14
3	An Electrochemical and Raman Scattering Dual Detection Biosensor for Rapid Screening and Biomolecular Profiling of Cancer Biomarkers. <i>Chemosensors</i> , 2022, 10, 93.	1.8	5
4	Simultaneous BRAFV600E Protein and DNA Aberration Detection in Circulating Melanoma Cells Using an Integrated Multimolecular Sensor. <i>Methods in Molecular Biology</i> , 2021, 2265, 265-276.	0.4	0
5	A digital single-molecule nanopillar SERS platform for predicting and monitoring immune toxicities in immunotherapy. <i>Nature Communications</i> , 2021, 12, 1087.	5.8	62
6	A Study on the Interfacial Compatibility, Microstructure and Physico-Chemical Properties of Polyimide/Organically Modified Silica Nanocomposite Membrane. <i>Polymers</i> , 2021, 13, 1328.	2.0	8
7	Characterizing the Heterogeneity of Small Extracellular Vesicle Populations in Multiple Cancer Types via an Ultrasensitive Chip. <i>ACS Sensors</i> , 2021, 6, 3182-3194.	4.0	22
8	In Situ Single Cell Proteomics Reveals Circulating Tumor Cell Heterogeneity during Treatment. <i>ACS Nano</i> , 2021, 15, 11231-11243.	7.3	47
9	Simultaneous detection of dual food adulterants using graphene oxide and gold nanoparticle based surface enhanced Raman scattering duplex DNA biosensor. <i>Vibrational Spectroscopy</i> , 2021, 116, 103293.	1.2	5
10	Nutritional Composition and Bioactive Compounds in Tomatoes and Their Impact on Human Health and Disease: A Review. <i>Foods</i> , 2021, 10, 45.	1.9	144
11	Dual platform based sandwich assay surface-enhanced Raman scattering DNA biosensor for the sensitive detection of food adulteration. <i>Analyst</i> , The, 2020, 145, 1414-1426.	1.7	21
12	Ultrasensitive melanoma biomarker detection using a microchip SERS immunoassay with anisotropic Au@Ag alloy nanoboxes. <i>RSC Advances</i> , 2020, 10, 28778-28785.	1.7	6
13	Nanostructured mesoporous gold electrodes detect protein phosphorylation in cancer with electrochemical signal amplification. <i>Analyst</i> , The, 2020, 145, 6639-6648.	1.7	6
14	Nanostructured mesoporous gold biosensor for microRNA detection at attomolar level. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112429.	5.3	48
15	Multiomics: The Growing Impact of Micro/Nanomaterial-Based Systems in Precision Oncology: Translating Multiomics Technologies (Adv. Funct. Mater. 37/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070248.	7.8	1
16	Methylation dependent gold adsorption behaviour identifies cancer derived extracellular vesicular DNA. <i>Nanoscale Horizons</i> , 2020, 5, 1317-1323.	4.1	8
17	The Growing Impact of Micro/Nanomaterial-Based Systems in Precision Oncology: Translating Multiomics Technologies. <i>Advanced Functional Materials</i> , 2020, 30, 1909306.	7.8	25
18	Tracking extracellular vesicle phenotypic changes enables treatment monitoring in melanoma. <i>Science Advances</i> , 2020, 6, eaax3223.	4.7	97

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19	Toward Personalized Cancer Treatment: From Diagnostics to Therapy Monitoring in Miniaturized Electrohydrodynamic Systems. <i>Accounts of Chemical Research</i> , 2019, 52, 2113-2123.	7.6	32
20	An integrated multi-molecular sensor for simultaneous BRAFV600E protein and DNA single point mutation detection in circulating tumour cells. <i>Lab on A Chip</i> , 2019, 19, 738-748.	3.1	16
21	DNA Methylation-Based Point-of-Care Cancer Detection: Challenges and Possibilities. <i>Trends in Molecular Medicine</i> , 2019, 25, 955-966.	3.5	30
22	2D Nanomaterials for Quantitative and Qualitative Analysis of DNA Methylation. , 2019, , 235-247.		0
23	Label-free detection of exosomes using a surface plasmon resonance biosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1311-1318.	1.9	70
24	Graphene oxide and gold nanoparticle based dual platform with short DNA probe for the PCR free DNA biosensing using surface-enhanced Raman scattering. <i>Biosensors and Bioelectronics</i> , 2019, 131, 214-223.	5.3	64
25	Single droplet detection of immune checkpoints on a multiplexed electrohydrodynamic biosensor. <i>Analyst, The</i> , 2019, 144, 6914-6921.	1.7	18
26	A microfluidic-SERSplatform for isolation and immuno-phenotyping of antigen specific T-cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 281-288.	4.0	10
27	A SERS microfluidic platform for targeting multiple soluble immune checkpoints. <i>Biosensors and Bioelectronics</i> , 2019, 126, 178-186.	5.3	48
28	Tracking antigen specific T-cells: Technological advancement and limitations. <i>Biotechnology Advances</i> , 2019, 37, 145-153.	6.0	7
29	Interfacial nano-mixing in a miniaturised platform enables signal enhancement and <i>in situ</i> detection of cancer biomarkers. <i>Nanoscale</i> , 2018, 10, 10884-10890.	2.8	18
30	Epigenetically reprogrammed methylation landscape drives the DNA self-assembly and serves as a universal cancer biomarker. <i>Nature Communications</i> , 2018, 9, 4915.	5.8	135
31	Parallel profiling of cancer cells and proteins using a graphene oxide functionalized ac-EHD SERS immunoassay. <i>Nanoscale</i> , 2018, 10, 18482-18491.	2.8	29
32	Interfacial Biosensing: Direct Biosensing of Biomolecules at the Bare Metal Interface. , 2018, , 269-277.		3
33	Detection of aberrant protein phosphorylation in cancer using direct gold-protein affinity interactions. <i>Biosensors and Bioelectronics</i> , 2017, 91, 8-14.	5.3	15
34	A multiplex microplatform for the detection of multiple DNA methylation events using goldâ€“DNA affinity. <i>Analyst, The</i> , 2017, 142, 3573-3578.	1.7	10
35	Real time and label free profiling of clinically relevant exosomes. <i>Scientific Reports</i> , 2016, 6, 30460.	1.6	124
36	Electrochemical detection of protein glycosylation using lectin and proteinâ€“gold affinity interactions. <i>Analyst, The</i> , 2016, 141, 2356-2361.	1.7	13

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37	Synthesis, Structures and Properties of Novel Platinum(II) Acetylide Complexes and Polymers with Tri(tolyl)phosphine as the Auxiliary Ligand. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 427.	1.9	6
38	DNAâ€‘bare gold affinity interactions: mechanism and applications in biosensing. <i>Analytical Methods</i> , 2015, 7, 7042-7054.	1.3	131
39	Synthesis, characterization and Electrochemical studies of Ferrocenyl-2, 4-Dinitrophenylhydrazone. <i>Journal of the Bangladesh Academy of Sciences</i> , 2014, 38, 177-187.	0.1	1
40	Methylsorb: A simple method for quantifying DNA methylation using DNA-gold affinity interactions. , 2014, , .		2
41	Molecular inversion probe-based SPR biosensing for specific, label-free and real-time detection of regional DNA methylation. <i>Chemical Communications</i> , 2014, 50, 3585-3588.	2.2	78
42	eMethylsorb: electrochemical quantification of DNA methylation at CpG resolution using DNAâ€‘gold affinity interactions. <i>Chemical Communications</i> , 2014, 50, 13153-13156.	2.2	68
43	eMethylsorb: rapid quantification of DNA methylation in cancer cells on screen-printed gold electrodes. <i>Analyst, The</i> , 2014, 139, 6178-6184.	1.7	51
44	Methylsorb: A Simple Method for Quantifying DNA Methylation Using DNAâ€‘Gold Affinity Interactions. <i>Analytical Chemistry</i> , 2014, 86, 10179-10185.	3.2	59