

# Alok Pandya

## List of Publications by Year in descending order

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47  
papers

1,013  
citations

331259

21  
h-index

433756

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g-index

49  
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49  
docs citations

49  
times ranked

1207  
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges and opportunities in micro/nanofluidic and lab-on-a-chip. Progress in Molecular Biology and Translational Science, 2022, 186, 289-302.	0.9	4
2	Micro/nanofluidic devices for DNA/RNA detection and separation. Progress in Molecular Biology and Translational Science, 2022, 186, 85-107.	0.9	1
3	An introduction to microfluidics and their applications. Progress in Molecular Biology and Translational Science, 2022, 186, 1-14.	0.9	1
4	Microfluidic tools for veterinary and zoonotic disease diagnostics. Progress in Molecular Biology and Translational Science, 2022, 187, 281-293.	0.9	0
5	Dansyl driven fluorescence paper-based quencher probe for Pr <sup>3+</sup> and La <sup>3+</sup> based on calix[4]arene. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 431, 114012.	2.0	3
6	Plant Stimulant to Nanotoxicity: Recent Advancements and Opportunities. Current Nanotoxicity and Prevention, 2021, 1, 67-77.	0.0	0
7	Field Deployable Vertical Flow Based Immunodevice for Detection of Potato Virus Y in Potato Leaves. ACS Agricultural Science and Technology, 2021, 1, 558-565.	1.0	7
8	GQD embedded bacterial cellulose nanopaper based multi-layered filtration membranes assembly for industrial dye and heavy metal removal in wastewater. Cellulose, 2021, 28, 10385-10398.	2.4	8
9	Emerging diagnostic tools for detection of COVID-19 and perspective. Biomedical Microdevices, 2020, 22, 83.	1.4	40
10	Turn on fluorescence strip based sensor for recognition of Sr <sup>2+</sup> and CN <sup>-</sup> via lower rim substituted calix[4]arene and its computational investigation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118456.	2.0	10
11	BSA-Decorated Magnesium Nanoparticles for Scavenging Hydrogen Peroxide from Human Hepatic Cells. ACS Applied Nano Materials, 2020, 3, 3355-3370.	2.4	8
12	Highly sensitive vertical flow based point-of-care immunokit for rapid and early detection of human CRP as a cardiovascular risk factor. Biomedical Microdevices, 2020, 22, 28.	1.4	16
13	Colorimetric and electrochemical sensing of As(III) using calix[4]pyrrole capped gold nanoparticles and evaluation of its cytotoxic activity. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2020, 98, 29-41.	0.9	14
14	Antimicrobial nanomaterials for water disinfection. , 2020, , 365-383.		6
15	Single-step fluorescence recognition of As <sup>3+</sup> , Nd <sup>3+</sup> and Br <sup>-</sup> using pyrene-linked calix[4]arene: application to real samples, computational modelling and paper-based device. New Journal of Chemistry, 2019, 43, 737-747.	1.4	30
16	Luminescent behavior of pyrene-allied calix[4]arene for the highly pH-selective recognition and determination of Zn <sup>2+</sup> , Hg <sup>2+</sup> and I <sup>-</sup> via the CHEF-PET mechanism: computational experiment and paper-based device. New Journal of Chemistry, 2019, 43, 9855-9864.	1.4	17
17	Novel tritopic calix[4]arene CHEF-PET fluorescence paper based probe for La <sup>3+</sup> , Cu <sup>2+</sup> , and Br <sup>-</sup> : Its computational investigation and application to real samples. Journal of Luminescence, 2019, 212, 171-179.	1.5	27
18	Novel luminescent paper based calix[4]arene chelation enhanced fluorescence- photoinduced electron transfer probe for Mn <sup>2+</sup> , Cr <sup>3+</sup> and F <sup>-</sup> . Journal of Luminescence, 2019, 208, 6-17.	1.5	24

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19	New perspective of nanotechnology: role in preventive forensic. Egyptian Journal of Forensic Sciences, 2018, 8, .	0.4	23
20	Curcumin Ag nanoconjugates for improved therapeutic effects in cancer. International Journal of Nanomedicine, 2018, Volume 13, 75-77.	3.3	15
21	Synthesis of biocompatible iron oxide nanoparticles as a drug delivery vehicle. International Journal of Nanomedicine, 2018, Volume 13, 79-82.	3.3	34
22	Multifunctional Silver-Cellulose Nanocomposite as a Promising Plasmonic Sensing Platform. Journal of Nanoscience and Nanotechnology, 2018, 18, 5461-5469.	0.9	1
23	Smartphone Based Test Strip Platform for Monitoring of Fluoride Ions in Water Samples. Advanced Science, Engineering and Medicine, 2017, 9, 619-627.	0.3	1
24	Microwave Assisted Synthesis of Gly-Conjugated Zinc Oxide Nanoparticles and Its Enhanced Non-Conventional Thermotropic Liquid Crystalline Property. Advanced Science, Engineering and Medicine, 2017, 9, 545-551.	0.3	0
25	DNA assembled metal nanoclusters: synthesis to novel applications. RSC Advances, 2016, 6, 113095-113114.	1.7	33
26	Overview of nano-enabled screening of drug-facilitated crime: A promising tool in forensic investigation. TrAC - Trends in Analytical Chemistry, 2016, 80, 458-470.	5.8	28
27	A simple and rapid creatinine sensing via DLS selectivity, using calix[4]arene thiol functionalized gold nanoparticles. Talanta, 2016, 147, 590-597.	2.9	44
28	Fluorescent magnesium nanocomplex in a protein scaffold for cell nuclei imaging applications. RSC Advances, 2015, 5, 94236-94240.	1.7	6
29	Lab-on-phone citrate-capped silver nanosensor for lidocaine hydrochloride detection from a biological matrix. Analytical Methods, 2015, 7, 9084-9091.	1.3	22
30	Host-guest mediated sensing of biologically relevant small molecules using supramolecular nanoassembly. Molecular Cytogenetics, 2014, 7, P80.	0.4	3
31	A pyrenyl linked calix[4]arene fluorescence probe for recognition of ferric and phosphate ions. RSC Advances, 2014, 4, 34922-34926.	1.7	15
32	A unique fluorescence biosensor for selective detection of tryptophan and histidine. Analyst, The, 2014, 139, 4794-4798.	1.7	42
33	A smart and rapid colorimetric method for the detection of codeine sulphate, using unmodified gold nanoprobe. RSC Advances, 2014, 4, 50443-50448.	1.7	36
34	Melamine modified gold nanoprobe for colorimetric recognition of clonazepam from biological specimens. Analyst, The, 2013, 138, 5411.	1.7	35
35	Protein mediated synthesis of gold nanobiocatalyst by microwave: A high efficient catalytic activity for the selective oxidation of benzyl alcohol. Journal of Molecular Catalysis A, 2013, 380, 78-83.	4.8	5
36	A novel calix[4]arene thiol functionalized silver nanoprobe for selective recognition of ferric ion with nanomolar sensitivity via DLS selectivity in human biological fluid. Nanoscale, 2013, 5, 2364.	2.8	38

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37	The influence of linking group in exterior point on mesogenic properties of the basket moulded molecules: calix[4]arene. <i>Liquid Crystals</i> , 2013, 40, 374-383.	0.9	19
38	A non enzymatic glucose biosensor based on an ultrasensitive calix[4]arene functionalized boronic acid gold nanoprobe for sensing in human blood serum. <i>Analyst, The</i> , 2013, 138, 2483.	1.7	54
39	A highly efficient PET switch on/off fluorescence receptor based on calix[4]arene for the selective recognition of Cd <sup>2+</sup> and Sr <sup>2+</sup> . <i>Analyst, The</i> , 2013, 138, 2244.	1.7	24
40	Ultrasensitive and specific detection of dimethoate using a p-sulphonato-calix[4]resorcinarene functionalized silver nanoprobe in aqueous solution. <i>RSC Advances</i> , 2013, 3, 10623.	1.7	46
41	Fluorescence switch on/off receptor constructed of quinoline allied calix[4]arene for selective recognition of Cu <sup>2+</sup> from blood serum and F <sup>-</sup> from industrial waste water. <i>Analyst, The</i> , 2013, 138, 2531.	1.7	46
42	Synthesis, mesomorphism and dielectric behaviour of novel basket shaped scaffolds constructed on lower rim azocalix[4]arenes. <i>RSC Advances</i> , 2013, 3, 4176.	1.7	26
43	Thioctic acid modified gold nanoparticles for highly specific and ultrasensitive detection of lanthanum in soil and water. <i>Analytical Methods</i> , 2012, 4, 3102.	1.3	12
44	Calixarene capped ZnS quantum dots as an optical nanoprobe for detection and determination of menadione. <i>Analyst, The</i> , 2012, 137, 4647.	1.7	20
45	An ICT based on/off quinoline armed calix[4]arene fluoroionophore: its sensing efficiency towards fluoride from waste water and Zn <sup>2+</sup> from blood serum. <i>Analyst, The</i> , 2012, 137, 5491.	1.7	68
46	A novel nanoaggregation detection technique of TNT using selective and ultrasensitive nanocurcumin as a probe. <i>Analyst, The</i> , 2012, 137, 1771.	1.7	47
47	Rapid colorimetric detection of sulfide using calix[4]arene modified gold nanoparticles as a probe. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 54-61.	4.0	48