Keya Chaudhuri

List of Publications by Year in descending order

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201674 223800 2,766 114 27 46 citations h-index g-index papers 116 116 116 3790 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	COL1A2 Polymorphism contributes to Oral submucous fibrosis: A possible role in inducing alternative splicing in areca chewers. Oral Science International, 2021, 18, 105-115.	0.7	O
2	Solventâ€Dependent Nanostructures Based on Active Ï€â€Aggregation Induced Emission Enhancement of New Carbazole Derivatives of Triphenylacrylonitrile. Chemistry - A European Journal, 2019, 25, 4856-4863.	3.3	15
3	Oral submucous fibrosis: A global challenge. Rising incidence, risk factors, management, and research priorities. Periodontology 2000, 2019, 80, 200-212.	13.4	56
4	Aggregationâ€Induced Emissionâ€Based Sensing Platform for Selective Detection of Zn ²⁺ : Experimental and Theoretical Investigations. ChemPhysChem, 2019, 20, 1630-1639.	2.1	18
5	Liquid biopsy: miRNA as a potential biomarker in oral cancer. Cancer Epidemiology, 2019, 58, 137-145.	1.9	95
6	Synthesis and DNAâ€Binding Studies of A New Cyclic Dimeric Symmetrical Pseudo‶urn Mimetic. ChemistrySelect, 2018, 3, 2103-2107.	1.5	1
7	A new fluorescence turn-on chemosensor for nanomolar detection of Al ³⁺ constructed from a pyridine–pyrazole system. New Journal of Chemistry, 2018, 42, 2933-2941.	2.8	29
8	Characterization of a fluorescent hydrogel synthesized using chitosan, polyvinyl alcohol and 9-anthraldehyde for the selective detection and discrimination of trace Fe3+ and Fe2+ in water for live-cell imaging. Carbohydrate Polymers, 2018, 193, 119-128.	10.2	46
9	Effect of areca nut on rabbit oral mucosa: evidence of oral precancerous condition by protein expression and genotoxic analysis. Oral Science International, 2018, 15, 7-12.	0.7	3
10	Identification of over expressed proteins in oral submucous fibrosis by proteomic analysis. Journal of Cellular Biochemistry, 2018, 119, 4361-4371.	2.6	7
11	I ₂ catalyzed access of spiro[indoline-3,4′-pyridine] appended amine dyad: new ON–OFF chemosensors for Cu ²⁺ and imaging in living cells. Organic and Biomolecular Chemistry, 2018, 16, 302-315.	2.8	19
12	A hydrazone based probe for selective sensing of Al(III) and Al(III)-probe complex mediated secondary sensing of PPi: framing of molecular logic circuit and memory device and computational studies. Photochemical and Photobiological Sciences, 2018, 17, 200-212.	2.9	19
13	Pyrrolo[3,4- <i>c</i>]pyridine-Based Fluorescent Chemosensor for Fe ³⁺ /Fe ²⁺ Sensitivity and Their Application in Living HepG2 Cells. ACS Omega, 2018, 3, 18646-18655.	3.5	18
14	Cellular Detection of Hydrazine as Isoniazid Metabolite by a New Turnâ€On Fluorescent Probe: Synthesis, Live Cell Imaging and In Vitro Toxicity Studies. ChemistrySelect, 2018, 3, 12816-12823.	1.5	6
15	Dihydroindeno[1,2-b]pyrroles: new Al3+selective off–on chemosensors for bio-imaging in living HepG2 cells. Organic and Biomolecular Chemistry, 2018, 16, 5920-5931.	2.8	23
16	Role of matrix metalloproteinase-9 polymorphisms in basement membrane degradation and pathogenesis of oral submucous fibrosis. Meta Gene, 2018, 16, 255-263.	0.6	4
17	A novel three-input monomolecular logic circuit on a rhodamine inspired bio-compatible bi-compartmental molecular platform. Journal of Luminescence, 2017, 185, 228-235.	3.1	1
18	Genome-wide DNA methylation profile identified a unique set of differentially methylated immune genes in oral squamous cell carcinoma patients in India. Clinical Epigenetics, 2017, 9, 13.	4.1	44

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19	A benzimidazole-based chemodosimeter for the fluorometric detection of Zn and Cu via 1,5 proton shifts and C–N bond cleavage. Photochemical and Photobiological Sciences, 2017, 16, 1103-1116.	2.9	12
20	A Smart Molecule for Selective Sensing of Nitric Oxide: Conversion of NO to HSNO; Relevance of Biological HSNO Formation. Inorganic Chemistry, 2017, 56, 4324-4331.	4.0	33
21	A Pyreneâ€Pyrazoleâ€Based Rotamer Senses Hg2+on the Nanomolar Scale. ChemistrySelect, 2017, 2, 2512-2519.	1.5	12
22	Expedient synthesis of a phenanthro-imidazo-pyridine fused heteropolynuclear framework via CDC coupling: a new class of luminophores. Organic and Biomolecular Chemistry, 2017, 15, 4130-4134.	2.8	17
23	Synthetic Modulation of a Chemosensor Affords Target Metal Ion Switch from Zn2+to Al3+. ChemistrySelect, 2017, 2, 5414-5420.	1.5	7
24	Synthesis of a Naturally Occurring Plant Alkaloid Berberine Analogue and Its Application in Nanomolar Selective Detection of Hydrazine in Free and DNAâ€Binding Situation ChemistrySelect, 2017, 2, 6519-6528.	1.5	3
25	A rhodamine based fluorescent trivalent sensor (Fe ³⁺ , Al ³⁺ , Cr ³⁺) with potential applications for live cell imaging and combinational logic circuits and memory devices. New Journal of Chemistry, 2017, 41, 8359-8369.	2.8	80
26	Neo-tanshinlactone D-ring modified novel analogues induce apoptosis in human breast cancer cell via DNA damage. Bioorganic and Medicinal Chemistry, 2017, 25, 202-212.	3.0	14
27	Fluorescent sensing of Al 3+ by benzophenone based Schiff base chemosensor and live cell imaging applications: Impact of keto-enol tautomerism. Sensors and Actuators B: Chemical, 2017, 239, 1194-1204.	7.8	48
28	In-silico prediction of dual function of DksA like hypothetical protein in V. cholerae O395 genome. Microbiological Research, 2017, 195, 60-70.	5. 3	1
29	Engineered magnetic core shell nanoprobes: Synthesis and applications to cancer imaging and therapeutics. World Journal of Biological Chemistry, 2016, 7, 158.	4.3	20
30	Epithelial myoepithelial carcinoma of minor salivary gland – A case report. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2016, 28, 575-577.	0.3	0
31	Tripeptide consisting of benzyl protected di-cysteine and phenylalanine forms spherical assembly and induces cytotoxicity in cancer cells via apoptosis. RSC Advances, 2016, 6, 112667-112676.	3.6	6
32	Oxime Based Selective Fluorescent Sensor for Arsenate Ion in a Greener Way with Bio-Imaging Application. Analytical Sciences, 2016, 32, 1295-1300.	1.6	10
33	A thiosemicarbazone based chemo and fluorogenic sensor for Zn ²⁺ with CHEF and ESIPT behaviour: computational studies and cell imaging application. RSC Advances, 2016, 6, 11388-11399.	3.6	26
34	Surfactant modulated aggregation induced enhancement of emission (AIEE)â€"a simple demonstration to maximize sensor activity. Analyst, The, 2016, 141, 225-235.	3.5	14
35	A novel 8-hydroxyquinoline-pyrazole based highly sensitive and selective Al(<scp>iii</scp>) sensor in a purely aqueous medium with intracellular application: experimental and computational studies. New Journal of Chemistry, 2016, 40, 4710-4719.	2.8	35
36	ESIPT blocked CHEF based differential dual sensor for Zn ²⁺ and Al ³⁺ in a pseudo-aqueous medium with intracellular bio-imaging applications and computational studies. RSC Advances, 2016, 6, 1268-1278.	3 . 6	50

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37	A rhodamine embedded bio-compatible smart molecule mimicking a combinatorial logic circuit and â€`key-pad lock' memory device for defending against information risk. New Journal of Chemistry, 2016, 40, 330-339.	2.8	14
38	Dual channel selective fluorescent detection of Al ³⁺ and PPi in mixed aqueous media: DFT studies and cell imaging applications. RSC Advances, 2015, 5, 53940-53948.	3.6	16
39	Structure, Genetics, and Mode of Disease of Cholera Toxin. Toxinology, 2015, , 3-27.	0.2	1
40	Association of oral tumor suppressor gene deleted in oral cancerâ€1 (⟨i⟩DOCâ€1⟨/i⟩) in progression of oral precancer to cancer. Oral Science International, 2015, 12, 15-21.	0.7	3
41	Telomerase Expression in Individuals With Chronic and Aggressive Periodontitis. Journal of Periodontology, 2015, 86, 656-665.	3.4	12
42	Di-oxime based selective fluorescent probe for arsenate and arsenite ions in a purely aqueous medium with living cell imaging applications and H-bonding induced microstructure formation. Analyst, The, 2015, 140, 2979-2983.	3.5	30
43	A novel rhodamine-3,4-dihydro-2H-1,3-benzoxazine conjugate as a highly sensitive and selective chemosensor for Fe ³⁺ ions with cytoplasmic cell imaging possibilities. Analytical Methods, 2015, 7, 5149-5156.	2.7	25
44	De novo design based pharmacophore query generation and virtual screening for the discovery of Hsp-47 inhibitors. Biochemical and Biophysical Research Communications, 2015, 456, 707-713.	2.1	16
45	Magnetic core–shell nanoprobe for sensitive killing of cancer cells via induction with a strong external magnetic field. RSC Advances, 2014, 4, 20077-20085.	3.6	6
46	A novel pyrene-2-(pyridin-2-ylmethylsulfanyl)ethylamine based turn-on dual sensor for Al ³⁺ : experimental and computational studies. RSC Advances, 2014, 4, 41784-41792.	3.6	9
47	Comparative evaluation of genotoxicity by micronucleus assay in the buccal mucosa over comet assay in peripheral blood in oral precancer and cancer patients. Mutagenesis, 2014, 29, 325-334.	2.6	31
48	A novel chromo- and fluorogenic dual sensor for Mg ²⁺ and Zn ²⁺ with cell imaging possibilities and DFT studies. Analyst, The, 2014, 139, 4022-4030.	3.5	53
49	Role of arginine, a component of aqueous garlic extract, in remediation of sodium arsenite induced toxicity in A375 cells. Toxicology Research, 2014, 3, 191.	2.1	7
50	Amelioration of sodium arsenite induced toxicity by diallyl disulfide, a bioactive component of garlic: the involvement of antioxidants and the chelate effect. RSC Advances, 2014, 4, 20964.	3.6	10
51	Potential contribution of SIM2 and ETS2 functional polymorphisms in Down syndrome associated malignancies. BMC Medical Genetics, 2013, 14, 12.	2.1	6
52	Gold nanoparticles alter Taq DNA polymerase activity during polymerase chain reaction. RSC Advances, 2013, 3, 20793.	3.6	14
53	Detection of a novel mutation in exon 20 of the BRCA1 gene. Cellular and Molecular Biology Letters, 2013, 18, 631-8.	7.0	4
54	Role of 6-Gingerol in Reduction of Cholera Toxin Activity <i>In Vitro</i> and <i>In Vivo</i> Antimicrobial Agents and Chemotherapy, 2013, 57, 4373-4380.	3.2	30

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55	CYP1AI and CYP2E1 gene polymorphisms may increase susceptibility to Oral Submucous Fibrosis among betel quid chewers of Eastern India. Gene, 2013, 513, 268-271.	2.2	21
56	Vibrio cholerae O395 Outer Membrane Vesicles Modulate Intestinal Epithelial Cells in a NOD1 Protein-dependent Manner and Induce Dendritic Cell-mediated Th2/Th17 Cell Responses. Journal of Biological Chemistry, 2013, 288, 4299-4309.	3.4	86
57	In-Silico Structural and Functional Characterization of a V. cholerae O395 Hypothetical Protein Containing a PDZ1 and an Uncommon Protease Domain. PLoS ONE, 2013, 8, e56725.	2.5	6
58	Clinico-epidemiological profile of oral potentially malignant and malignant conditions among areca nut, tobacco and alcohol users in Eastern India: A hospital based study. Journal of Oral and Maxillofacial Pathology, 2013, 17, 45.	0.6	36
59	Comparative distribution of Lysyl Oxidase (G473A) and NQO1 (C609T) polymorphism among tea-garden workers (habitual chewers of betel quid) of Darjeeling district and Kolkata city of West Bengal. Contemporary Clinical Dentistry, 2013, 4, 476.	0.7	4
60	Effect of smoking on semen quality, FSH, testosterone level, and CAG repeat length in androgen receptor gene of infertile men in an Indian city. Systems Biology in Reproductive Medicine, 2012, 58, 255-262.	2.1	93
61	Outer Membrane Vesicles as Carriers of Biomaterials. SpringerBriefs in Microbiology, 2012, , 47-64.	0.1	O
62	Outer Membrane Vesicles: Interaction with Prokaryotes and Eukaryotes. SpringerBriefs in Microbiology, 2012, , 71-79.	0.1	0
63	Effect of quercetin on Vibrio cholerae induced nuclear factor-κB activation and interleukin-8 expression in intestinal epithelial cells. Microbes and Infection, 2012, 14, 690-695.	1.9	14
64	Gram-Negative Bacteria: The cell Membranes. SpringerBriefs in Microbiology, 2012, , 15-34.	0.1	11
65	Discovery of the Outer Membrane Vesicles: Revisiting Contemporary Works. SpringerBriefs in Microbiology, 2012, , 1-13.	0.1	O
66	Human epithelial cells stimulated with Vibrio cholerae produce thymic stromal lymphopoietin and promote dendritic cell-mediated inflammatory Th2 response. International Journal of Biochemistry and Cell Biology, 2012, 44, 1779-1790.	2.8	13
67	Synthesis, characterization and cytotoxicity study of magnetic (Fe3O4) nanoparticles and their drug conjugate. RSC Advances, 2012, 2, 2493.	3.6	28
68	Association of XRCC1, XRCC3, and NAT2 polymorphisms with the risk of oral submucous fibrosis among eastern Indian population. Journal of Oral Pathology and Medicine, 2012, 41, 292-302.	2.7	18
69	A Simple Method for the Synthesis of Ultrafine Carbon Nanoparticles and Its Interaction with Bovine Serum Albumin. Advanced Science Letters, 2012, 5, 139-143.	0.2	6
70	Generating STR profile from "Touch DNA― Journal of Clinical Forensic and Legal Medicine, 2011, 18, 295-298.	1.0	27
71	In silico comparative study of the genomic islands of Vibrio cholerae MJ1236 with those of Classical and El Tor N16961 strains of Vibrio cholerae. FEMS Microbiology Letters, 2011, 321, 75-81.	1.8	0
72	Association of cholera toxin with <i>Vibrio cholerae</i> outer membrane vesicles which are internalized by human intestinal epithelial cells. FEBS Letters, 2011, 585, 1357-1362.	2.8	157

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73	NQO1 C 609 T polymorphisms analyzed in a population from Kolkata, West Bengal. Indian Journal of Human Genetics, 2011, 17, 244.	0.7	O
74	Evaluation of DNA damage in oral precancerous and squamous cell carcinoma patients by single cell gel electrophoresis. Indian Journal of Dental Research, 2011, 22, 735.	0.4	22
75	Analysis of tRNA composition and folding in psychrophilic, mesophilic and thermophilic genomes: indications for thermal adaptation. FEMS Microbiology Letters, 2010, 305, 100-108.	1.8	23
76	UNSUPERVISED SEGMENTATION OF COLLAGEN FIBER DISTRIBUTION IN DIFFERENT STAGES OF OSF. Journal of Biological Systems, 2010, 18, 109-127.	1.4	0
77	Arsenic-induced cell proliferation is associated with enhanced ROS generation, Erk signaling and CyclinA expression. Toxicology Letters, 2010, 198, 263-271.	0.8	7 5
78	Zinc and vitamin A can minimise the severity of oral submucous fibrosis. BMJ Case Reports, 2010, 2010, bcr1020092348-bcr1020092348.	0.5	9
79	Differential modulation of NF-κB-mediated pro-inflammatory response in human intestinal epithelial cells by <i>cheY</i> homologues of <i>Vibrio cholerae</i> lnnate Immunity, 2009, 15, 131-142.	2.4	13
80	Arsenic induced apoptosis in malignant melanoma cells is enhanced by menadione through ROS generation, p38 signaling and p53 activation. Apoptosis: an International Journal on Programmed Cell Death, 2009, 14, 108-123.	4.9	75
81	Involvement of intracellular signaling cascades in inflammatory responses in human intestinal epithelial cells following Vibrio cholerae infection. Molecular Immunology, 2009, 46, 1129-1139.	2.2	19
82	Activation of proinflammatory response in human intestinal epithelial cells following Vibrio choleraeinfection through PI3K/Akt pathway. Canadian Journal of Microbiology, 2009, 55, 1310-1318.	1.7	14
83	Expression of Metallothionein-1 (MT-1) mRNA in the Rat Testes and Liver After Cadmium Injection. Systems Biology in Reproductive Medicine, 2009, 55, 188-192.	2.1	14
84	Isolation and characterization of an arsenic-resistant bacterium from a bore-well in West Bengal, India. Annals of Microbiology, 2009, 59, 253-258.	2.6	29
85	Identification of a new RTX-like gene cluster in <i>Vibrio cholerae</i> . FEMS Microbiology Letters, 2008, 284, 165-171.	1.8	24
86	On detection and assessment of statistical significance of Genomic Islands. BMC Genomics, 2008, 9, 150.	2.8	25
87	IL- $1\hat{l}^2$ expression in Int407 is induced by flagellin of Vibrio cholerae through TLR5 mediated pathway. Microbial Pathogenesis, 2008, 44, 524-536.	2.9	21
88	Quantitative dimensions of histopathological attributes and status of GSTM1–GSTT1 in oral submucous fibrosis. Tissue and Cell, 2008, 40, 425-435.	2.2	13
89	In vitro and in vivo reduction of sodium arsenite induced toxicity by aqueous garlic extract. Food and Chemical Toxicology, 2008, 46, 740-751.	3.6	82
90	Increased expression of genes in a radioresistant cell strain: modulation of hnRNP E2, Hsp90 and SSBP2 genes in \hat{I}^3 -irradiated Chinese hamster V79 cells. International Journal of Low Radiation, 2007, 4, 313.	0.1	0

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91	Human intestinal epithelial cell cytokine mRNA responses mediated by NF-κB are modulated by the motility and adhesion process of Vibrio cholerae. International Journal of Biochemistry and Cell Biology, 2007, 39, 1863-1876.	2.8	12
92	Statistical modeling of ultrastructural features of murine dermal collagen under chronic lowâ€dose whole body Xâ€irradiation. FEBS Letters, 2007, 581, 5034-5042.	2.8	1
93	Differential regulation of interchromosomal copies of ToxR-induced genes. Canadian Journal of Microbiology, 2007, 53, 992-999.	1.7	0
94	Novel glycoconjugates of diospyrin, a quinonoid plant product: synthesis and evaluation of cytotoxicity against human malignant melanoma (A375) and laryngeal carcinoma (Hep2). Organic and Biomolecular Chemistry, 2007, 5, 3115.	2.8	12
95	MicroRNA Detection and Target Prediction: Integration of Computational and Experimental Approaches. DNA and Cell Biology, 2007, 26, 321-337.	1.9	86
96	Comparison of health effects between individuals with and without skin lesions in the population exposed to arsenic through drinking water in West Bengal, India. Journal of Exposure Science and Environmental Epidemiology, 2007, 17, 215-223.	3.9	79
97	Transcriptional upregulation of inflammatory cytokines in human intestinal epithelial cells following <i>Vibrio cholerae</i> infection. FEBS Journal, 2007, 274, 4631-4642.	4.7	29
98	Activation of mitochondrial promoter PH-binding protein in a radio-resistant Chinese hamster cell strain associated with Bcl-2. Biochemical and Biophysical Research Communications, 2006, 350, 272-276.	2.1	2
99	Unsupervised statistical identification of genomic islands using oligonucleotide distributions with application toVibrio genomes. Sadhana - Academy Proceedings in Engineering Sciences, 2006, 31, 105-115.	1.3	6
100	In vivo induced clpB1 gene of Vibrio cholerae is involved in different stress responses and affects in vivo cholera toxin production. Biochemical and Biophysical Research Communications, 2005, 331, 1365-1373.	2.1	28
101	Upregulation of human mitochondrial NADH dehydrogenase subunit 5 in intestinal epithelial cells is modulated byVibrio choleraepathogenesis. FEBS Letters, 2005, 579, 3449-3460.	2.8	15
102	Association of adherence and motility in interleukin 8Âinduction in human intestinal epithelial cells by Vibrio cholerae. Microbes and Infection, 2004, 6, 676-685.	1.9	27
103	Identification of Two Differentially Expressed Mitochondrial Genes in a Methotrexate-Resistant Chinese Hamster Cell Strain Derived from V79 Cells Using RNA Fingerprinting by Arbitrary Primed Polymerase Chain Reaction. Radiation Research, 2003, 160, 77-85.	1.5	10
104	Identification of a unique IAHP (IcmF associated homologous proteins) cluster in Vibrio cholerae and other proteobacteria through in silico analysis. In Silico Biology, 2003, 3, 287-300.	0.9	85
105	Involvement of in vivo induced icmF gene of Vibrio cholerae in motility, adherence to epithelial cells, and conjugation frequency. Biochemical and Biophysical Research Communications, 2002, 295, 922-928.	2.1	48
106	Involvement of in vivo inducedcheY-4gene of Vibrio choleraein motility, early adherence to intestinal epithelial cells and regulation of virulence factors. FEBS Letters, 2002, 532, 221-226.	2.8	26
107	Altered Elemental Profile as Indicator of Homeostatic Imbalance in Pathogenesis of Oral Submucous Fibrosis. Biological Trace Element Research, 2002, 87, 045-056.	3.5	15
108	Did myocilin evolve from two different primordial proteins?. Molecular Vision, 2002, 8, 271-9.	1.1	13

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109	Comparison of global transcription responses allows identification of Vibrio choleraegenes differentially expressed following infection. FEMS Microbiology Letters, 2000, 190, 87-91.	1.8	38
110	Use of RNA Arbitrarily Primed-PCR Fingerprinting To Identify Vibrio cholerae Genes Differentially Expressed in the Host following Infection. Infection and Immunity, 2000, 68, 3878-3887.	2.2	29
111	The anti-bacterial action of diclofenac shown by inhibition of DNA synthesis. International Journal of Antimicrobial Agents, 2000, 14, 249-251.	2.5	129
112	Ulltrastructural and trace metal studies on radiographers' hair and nails. Biological Trace Element Research, 1999, 67, 127-138.	3.5	15
113	A Trace Metal (Zinc and Iron) Study on Low Dose X–Radiation Response in Rat Skin. Health Physics, 1997, 73, 362-368.	0.5	2
114	Hepatotoxicity of diazepam. Biological Trace Element Research, 1997, 57, 239-250.	3. 5	2