

Keya Chaudhuri

List of Publications by Year in descending order

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114
papers

2,766
citations

201674

27
h-index

223800

46
g-index

116
all docs

116
docs citations

116
times ranked

3790
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of cholera toxin with <i>Vibrio cholerae</i> outer membrane vesicles which are internalized by human intestinal epithelial cells. <i>FEBS Letters</i> , 2011, 585, 1357-1362.	2.8	157
2	The anti-bacterial action of diclofenac shown by inhibition of DNA synthesis. <i>International Journal of Antimicrobial Agents</i> , 2000, 14, 249-251.	2.5	129
3	Liquid biopsy: miRNA as a potential biomarker in oral cancer. <i>Cancer Epidemiology</i> , 2019, 58, 137-145.	1.9	95
4	Effect of smoking on semen quality, FSH, testosterone level, and CAG repeat length in androgen receptor gene of infertile men in an Indian city. <i>Systems Biology in Reproductive Medicine</i> , 2012, 58, 255-262.	2.1	93
5	MicroRNA Detection and Target Prediction: Integration of Computational and Experimental Approaches. <i>DNA and Cell Biology</i> , 2007, 26, 321-337.	1.9	86
6	<i>Vibrio cholerae</i> O395 Outer Membrane Vesicles Modulate Intestinal Epithelial Cells in a NOD1 Protein-dependent Manner and Induce Dendritic Cell-mediated Th2/Th17 Cell Responses. <i>Journal of Biological Chemistry</i> , 2013, 288, 4299-4309.	3.4	86
7	Identification of a unique IAHP (IcmF associated homologous proteins) cluster in <i>Vibrio cholerae</i> and other proteobacteria through in silico analysis. <i>In Silico Biology</i> , 2003, 3, 287-300.	0.9	85
8	In vitro and in vivo reduction of sodium arsenite induced toxicity by aqueous garlic extract. <i>Food and Chemical Toxicology</i> , 2008, 46, 740-751.	3.6	82
9	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. <i>New Journal of Chemistry</i> , 2017, 41, 8359-8369.	2.8	80
10	Comparison of health effects between individuals with and without skin lesions in the population exposed to arsenic through drinking water in West Bengal, India. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2007, 17, 215-223.	3.9	79
11	Arsenic induced apoptosis in malignant melanoma cells is enhanced by menadione through ROS generation, p38 signaling and p53 activation. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 108-123.	4.9	75
12	Arsenic-induced cell proliferation is associated with enhanced ROS generation, Erk signaling and CyclinA expression. <i>Toxicology Letters</i> , 2010, 198, 263-271.	0.8	75
13	Oral submucous fibrosis: A global challenge. Rising incidence, risk factors, management, and research priorities. <i>Periodontology 2000</i> , 2019, 80, 200-212.	13.4	56
14	A novel chromo- and fluorogenic dual sensor for Mg^{2+} and Zn^{2+} with cell imaging possibilities and DFT studies. <i>Analyst</i> , The, 2014, 139, 4022-4030.	3.5	53
15	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. <i>RSC Advances</i> , 2016, 6, 1268-1278.	3.6	50
16	Involvement of in vivo induced icmF gene of <i>Vibrio cholerae</i> in motility, adherence to epithelial cells, and conjugation frequency. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 922-928.	2.1	48
17	Fluorescent sensing of Al^{3+} by benzophenone based Schiff base chemosensor and live cell imaging applications: Impact of keto-enol tautomerism. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 1194-1204.	7.8	48
18	Characterization of a fluorescent hydrogel synthesized using chitosan, polyvinyl alcohol and 9-anthraldehyde for the selective detection and discrimination of trace Fe^{3+} and Fe^{2+} in water for live-cell imaging. <i>Carbohydrate Polymers</i> , 2018, 193, 119-128.	10.2	46

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19	Genome-wide DNA methylation profile identified a unique set of differentially methylated immune genes in oral squamous cell carcinoma patients in India. <i>Clinical Epigenetics</i> , 2017, 9, 13.	4.1	44
20	Comparison of global transcription responses allows identification of <i>Vibrio cholerae</i> genes differentially expressed following infection. <i>FEMS Microbiology Letters</i> , 2000, 190, 87-91.	1.8	38
21	Clinico-epidemiological profile of oral potentially malignant and malignant conditions among areca nut, tobacco and alcohol users in Eastern India: A hospital based study. <i>Journal of Oral and Maxillofacial Pathology</i> , 2013, 17, 45.	0.6	36
22	A novel 8-hydroxyquinoline-pyrazole based highly sensitive and selective Al(III) sensor in a purely aqueous medium with intracellular application: experimental and computational studies. <i>New Journal of Chemistry</i> , 2016, 40, 4710-4719.	2.8	35
23	A Smart Molecule for Selective Sensing of Nitric Oxide: Conversion of NO to HSNO; Relevance of Biological HSNO Formation. <i>Inorganic Chemistry</i> , 2017, 56, 4324-4331.	4.0	33
24	Comparative evaluation of genotoxicity by micronucleus assay in the buccal mucosa over comet assay in peripheral blood in oral precancer and cancer patients. <i>Mutagenesis</i> , 2014, 29, 325-334.	2.6	31
25	Role of 6-Gingerol in Reduction of Cholera Toxin Activity <i>In Vitro</i> and <i>In Vivo</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4373-4380.	3.2	30
26	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. <i>Analyst</i> , The, 2015, 140, 2979-2983.	3.5	30
27	Use of RNA Arbitrarily Primed-PCR Fingerprinting To Identify <i>Vibrio cholerae</i> Genes Differentially Expressed in the Host following Infection. <i>Infection and Immunity</i> , 2000, 68, 3878-3887.	2.2	29
28	Transcriptional upregulation of inflammatory cytokines in human intestinal epithelial cells following <i>Vibrio cholerae</i> infection. <i>FEBS Journal</i> , 2007, 274, 4631-4642.	4.7	29
29	Isolation and characterization of an arsenic-resistant bacterium from a bore-well in West Bengal, India. <i>Annals of Microbiology</i> , 2009, 59, 253-258.	2.6	29
30	A new fluorescence turn-on chemosensor for nanomolar detection of Al ³⁺ constructed from a pyridine-pyrazole system. <i>New Journal of Chemistry</i> , 2018, 42, 2933-2941.	2.8	29
31	In vivo induced clpB1 gene of <i>Vibrio cholerae</i> is involved in different stress responses and affects in vivo cholera toxin production. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 1365-1373.	2.1	28
32	Synthesis, characterization and cytotoxicity study of magnetic (Fe ₃ O ₄) nanoparticles and their drug conjugate. <i>RSC Advances</i> , 2012, 2, 2493.	3.6	28
33	Association of adherence and motility in interleukin 8 induction in human intestinal epithelial cells by <i>Vibrio cholerae</i> . <i>Microbes and Infection</i> , 2004, 6, 676-685.	1.9	27
34	Generating STR profile from "Touch DNA". <i>Journal of Clinical Forensic and Legal Medicine</i> , 2011, 18, 295-298.	1.0	27
35	Involvement of in vivo induced cheY-4 gene of <i>Vibrio cholerae</i> in motility, early adherence to intestinal epithelial cells and regulation of virulence factors. <i>FEBS Letters</i> , 2002, 532, 221-226.	2.8	26
36	A thiosemicarbazone based chemo and fluorogenic sensor for Zn ²⁺ with CHEF and ESIPT behaviour: computational studies and cell imaging application. <i>RSC Advances</i> , 2016, 6, 11388-11399.	3.6	26

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37	On detection and assessment of statistical significance of Genomic Islands. BMC Genomics, 2008, 9, 150.	2.8	25
38	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
39	Identification of a new RTX-like gene cluster in <i>Vibrio cholerae</i> . FEMS Microbiology Letters, 2008, 284, 165-171.	1.8	24
40	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
41	Dihydroindeno[1,2-b]pyrroles: new Al ³⁺ -selective off-on chemosensors for bio-imaging in living HepG2 cells. Organic and Biomolecular Chemistry, 2018, 16, 5920-5931.	2.8	23
42	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
43	IL-1 β expression in Int407 is induced by flagellin of <i>Vibrio cholerae</i> through TLR5 mediated pathway. Microbial Pathogenesis, 2008, 44, 524-536.	2.9	21
44	CYP1A1 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
45	Engineered magnetic core shell nanoprobe: Synthesis and applications to cancer imaging and therapeutics. World Journal of Biological Chemistry, 2016, 7, 158.	4.3	20
46	Involvement of intracellular signaling cascades in inflammatory responses in human intestinal epithelial cells following <i>Vibrio cholerae</i> infection. Molecular Immunology, 2009, 46, 1129-1139.	2.2	19
47	Cu^{2+} catalyzed access of spiro[indoline-3,4-dihydro-2H-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
48	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
49	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
50	Pyrrolo[3,4-c]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
51	Aggregation-Induced Emission-Based Sensing Platform for Selective Detection of Zn ²⁺ : Experimental and Theoretical Investigations. ChemPhysChem, 2019, 20, 1630-1639.	2.1	18
52	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
53	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
54	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

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55	Ultrastructural and trace metal studies on radiographers' hair and nails. <i>Biological Trace Element Research</i> , 1999, 67, 127-138.	3.5	15
56	Altered Elemental Profile as Indicator of Homeostatic Imbalance in Pathogenesis of Oral Submucous Fibrosis. <i>Biological Trace Element Research</i> , 2002, 87, 045-056.	3.5	15
57	Upregulation of human mitochondrial NADH dehydrogenase subunit 5 in intestinal epithelial cells is modulated by <i>Vibrio cholerae</i> pathogenesis. <i>FEBS Letters</i> , 2005, 579, 3449-3460.	2.8	15
58	Solvent-Dependent Nanostructures Based on Active Ion Aggregation Induced Emission Enhancement of New Carbazole Derivatives of Triphenylacrylonitrile. <i>Chemistry - A European Journal</i> , 2019, 25, 4856-4863.	3.3	15
59	Activation of proinflammatory response in human intestinal epithelial cells following <i>Vibrio cholerae</i> infection through PI3K/Akt pathway. <i>Canadian Journal of Microbiology</i> , 2009, 55, 1310-1318.	1.7	14
60	Expression of Metallothionein-1 (MT-1) mRNA in the Rat Testes and Liver After Cadmium Injection. <i>Systems Biology in Reproductive Medicine</i> , 2009, 55, 188-192.	2.1	14
61	Effect of quercetin on <i>Vibrio cholerae</i> induced nuclear factor- κ B activation and interleukin-8 expression in intestinal epithelial cells. <i>Microbes and Infection</i> , 2012, 14, 690-695.	1.9	14
62	Gold nanoparticles alter Taq DNA polymerase activity during polymerase chain reaction. <i>RSC Advances</i> , 2013, 3, 20793.	3.6	14
63	Surfactant modulated aggregation induced enhancement of emission (AIEE) – a simple demonstration to maximize sensor activity. <i>Analyst</i> , 2016, 141, 225-235.	3.5	14
64	A rhodamine embedded bio-compatible smart molecule mimicking a combinatorial logic circuit and a key-pad lock™ memory device for defending against information risk. <i>New Journal of Chemistry</i> , 2016, 40, 330-339.	2.8	14
65	Neo-tanshinlactone D-ring modified novel analogues induce apoptosis in human breast cancer cell via DNA damage. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 202-212.	3.0	14
66	Quantitative dimensions of histopathological attributes and status of GSTM1 and GSTT1 in oral submucous fibrosis. <i>Tissue and Cell</i> , 2008, 40, 425-435.	2.2	13
67	Differential modulation of NF- κ B-mediated pro-inflammatory response in human intestinal epithelial cells by homologues of <i>Vibrio cholerae</i> . <i>Innate Immunity</i> , 2009, 15, 131-142.	2.4	13
68	Human epithelial cells stimulated with <i>Vibrio cholerae</i> produce thymic stromal lymphopoietin and promote dendritic cell-mediated inflammatory Th2 response. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1779-1790.	2.8	13
69	Did myocilin evolve from two different primordial proteins?. <i>Molecular Vision</i> , 2002, 8, 271-9.	1.1	13
70	Human intestinal epithelial cell cytokine mRNA responses mediated by NF- κ B are modulated by the motility and adhesion process of <i>Vibrio cholerae</i> . <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1863-1876.	2.8	12
71	Novel glycoconjugates of diospyrin, a quinonoid plant product: synthesis and evaluation of cytotoxicity against human malignant melanoma (A375) and laryngeal carcinoma (Hep2). <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3115.	2.8	12
72	Telomerase Expression in Individuals With Chronic and Aggressive Periodontitis. <i>Journal of Periodontology</i> , 2015, 86, 656-665.	3.4	12

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73	A benzimidazole-based chemodosimeter for the fluorometric detection of Zn and Cu via 1,5 proton shifts and C–N bond cleavage. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1103-1116.	2.9	12
74	A Pyrene–Pyrazole–Based Rotamer Senses Hg ²⁺ on the Nanomolar Scale. <i>ChemistrySelect</i> , 2017, 2, 2512-2519.	1.5	12
75	Gram-Negative Bacteria: The cell Membranes. <i>SpringerBriefs in Microbiology</i> , 2012, , 15-34.	0.1	11
76	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. <i>Radiation Research</i> , 2003, 160, 77-85.	1.5	10
77	Amelioration of sodium arsenite induced toxicity by diallyl disulfide, a bioactive component of garlic: the involvement of antioxidants and the chelate effect. <i>RSC Advances</i> , 2014, 4, 20964.	3.6	10
78	Oxime Based Selective Fluorescent Sensor for Arsenate Ion in a Greener Way with Bio-Imaging Application. <i>Analytical Sciences</i> , 2016, 32, 1295-1300.	1.6	10
79	A novel pyrene-2-(pyridin-2-ylmethylsulfanyl)ethylamine based turn-on dual sensor for Al ³⁺ : experimental and computational studies. <i>RSC Advances</i> , 2014, 4, 41784-41792.	3.6	9
80	Zinc and vitamin A can minimise the severity of oral submucous fibrosis. <i>BMJ Case Reports</i> , 2010, 2010, bcr1020092348-bcr1020092348.	0.5	9
81	Role of arginine, a component of aqueous garlic extract, in remediation of sodium arsenite induced toxicity in A375 cells. <i>Toxicology Research</i> , 2014, 3, 191.	2.1	7
82	Synthetic Modulation of a Chemosensor Affords Target Metal Ion Switch from Zn ²⁺ to Al ³⁺ . <i>ChemistrySelect</i> , 2017, 2, 5414-5420.	1.5	7
83	Identification of over expressed proteins in oral submucous fibrosis by proteomic analysis. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4361-4371.	2.6	7
84	Unsupervised statistical identification of genomic islands using oligonucleotide distributions with application to <i>Vibrio</i> genomes. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2006, 31, 105-115.	1.3	6
85	Potential contribution of SIM2 and ETS2 functional polymorphisms in Down syndrome associated malignancies. <i>BMC Medical Genetics</i> , 2013, 14, 12.	2.1	6
86	In-Silico Structural and Functional Characterization of a <i>V. cholerae</i> O395 Hypothetical Protein Containing a PDZ1 and an Uncommon Protease Domain. <i>PLoS ONE</i> , 2013, 8, e56725.	2.5	6
87	Magnetic core–shell nanoprobe for sensitive killing of cancer cells via induction with a strong external magnetic field. <i>RSC Advances</i> , 2014, 4, 20077-20085.	3.6	6
88	Tripeptide consisting of benzyl protected di-cysteine and phenylalanine forms spherical assembly and induces cytotoxicity in cancer cells via apoptosis. <i>RSC Advances</i> , 2016, 6, 112667-112676.	3.6	6
89	Cellular Detection of Hydrazine as Isoniazid Metabolite by a New Turn-On Fluorescent Probe: Synthesis, Live Cell Imaging and In Vitro Toxicity Studies. <i>ChemistrySelect</i> , 2018, 3, 12816-12823.	1.5	6
90	A Simple Method for the Synthesis of Ultrafine Carbon Nanoparticles and Its Interaction with Bovine Serum Albumin. <i>Advanced Science Letters</i> , 2012, 5, 139-143.	0.2	6

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91	Detection of a novel mutation in exon 20 of the BRCA1 gene. Cellular and Molecular Biology Letters, 2013, 18, 631-8.	7.0	4
92	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
93	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
94	Association of oral tumor suppressor gene deleted in oral cancer (p16 ^{INK4}) in progression of oral precancer to cancer. Oral Science International, 2015, 12, 15-21.	0.7	3
95	Synthesis of a Naturally Occurring Plant Alkaloid Berberine Analogue and Its Application in Nanomolar Selective Detection of Hydrazine in Free and DNA-Binding Situation.. ChemistrySelect, 2017, 2, 6519-6528.	1.5	3
96	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
97	A Trace Metal (Zinc and Iron) Study on Low Dose X-Ray Radiation Response in Rat Skin. Health Physics, 1997, 73, 362-368.	0.5	2
98	Hepatotoxicity of diazepam. Biological Trace Element Research, 1997, 57, 239-250.	3.5	2
99	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
100	Statistical modeling of ultrastructural features of murine dermal collagen under chronic low-dose whole body X-ray irradiation. FEBS Letters, 2007, 581, 5034-5042.	2.8	1
101	Structure, Genetics, and Mode of Disease of Cholera Toxin. Toxinology, 2015, , 3-27.	0.2	1
102	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
103	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
104	Synthesis and DNA-Binding Studies of A New Cyclic Dimeric Symmetrical Pseudo-Turn Mimetic. ChemistrySelect, 2018, 3, 2103-2107.	1.5	1
105	Increased expression of genes in a radioresistant cell strain: modulation of hnRNP E2, Hsp90 and SSBP2 genes in ¹³⁷ Ir-irradiated Chinese hamster V79 cells. International Journal of Low Radiation, 2007, 4, 313.	0.1	0
106	Differential regulation of interchromosomal copies of ToxR-induced genes. Canadian Journal of Microbiology, 2007, 53, 992-999.	1.7	0
107	UNSUPERVISED SEGMENTATION OF COLLAGEN FIBER DISTRIBUTION IN DIFFERENT STAGES OF OSF. Journal of Biological Systems, 2010, 18, 109-127.	1.4	0
108	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

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109	NQO1 C 609 T polymorphisms analyzed in a population from Kolkata, West Bengal. Indian Journal of Human Genetics, 2011, 17, 244.	0.7	0
110	Outer Membrane Vesicles as Carriers of Biomaterials. SpringerBriefs in Microbiology, 2012, , 47-64.	0.1	0
111	Outer Membrane Vesicles: Interaction with Prokaryotes and Eukaryotes. SpringerBriefs in Microbiology, 2012, , 71-79.	0.1	0
112	Discovery of the Outer Membrane Vesicles: Revisiting Contemporary Works. SpringerBriefs in Microbiology, 2012, , 1-13.	0.1	0
113	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
114	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	0