

Beate Niesler

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

4,656
citations

136950

32
h-index

106344

65
g-index

82
all docs

82
docs citations

82
times ranked

5341
citing authors

#	ARTICLE	IF	CITATIONS
1	A Nonviable Probiotic in Irritable Bowel Syndrome: A Randomized, Double-Blind, Placebo-Controlled, Multicenter Study. <i>Clinical Gastroenterology and Hepatology</i> , 2022, 20, 1039-1047.e9.	4.4	16
2	Inflammation induces pro-NETotic neutrophils via TNFR2 signaling. <i>Cell Reports</i> , 2022, 39, 110710.	6.4	18
3	Oncolytic H-1 Parvovirus Hijacks Galectin-1 to Enter Cancer Cells. <i>Viruses</i> , 2022, 14, 1018.	3.3	6
4	Serotonin type 3 receptor subunit gene polymorphisms associated with psychosomatic symptoms in irritable bowel syndrome: A multicenter retrospective study. <i>World Journal of Gastroenterology</i> , 2022, 28, 2334-2349.	3.3	2
5	Emerging evidence for gene mutations driving both brain and gut dysfunction in autism spectrum disorder. <i>Molecular Psychiatry</i> , 2021, 26, 1442-1444.	7.9	22
6	Expression Profiling of Rectal Biopsies Suggests Altered Enteric Neuropathological Traits in Parkinson's Disease Patients. <i>Journal of Parkinson's Disease</i> , 2021, 11, 171-176.	2.8	7
7	Network-driven discovery yields new insight into Shox2-dependent cardiac rhythm control. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2021, 1864, 194702.	1.9	6
8	Parkinson mice show functional and molecular changes in the gut long before motoric disease onset. <i>Molecular Neurodegeneration</i> , 2021, 16, 34.	10.8	29
9	Oncolytic H-1 parvovirus binds to sialic acid on laminins for cell attachment and entry. <i>Nature Communications</i> , 2021, 12, 3834.	12.8	15
10	The alternative serotonin transporter promoter P2 impacts gene function in females with irritable bowel syndrome. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 8047-8061.	3.6	5
11	5-HT ₃ receptors in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	0
12	Disorders of the enteric nervous system – a holistic view. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 393-410.	17.8	100
13	Keratinocytes costimulate naive human T cells via CD2: a potential target to prevent the development of proinflammatory Th1 cells in the skin. <i>Cellular and Molecular Immunology</i> , 2020, 17, 380-394.	10.5	31
14	Comparative expression profiling in the intestine of patients with <i>Giardia</i> -induced postinfectious functional gastrointestinal disorders. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13868.	3.0	5
15	Piperlongumine Acts as an Immunosuppressant by Exerting Prooxidative Effects in Human T Cells Resulting in Diminished TH17 but Enhanced Treg Differentiation. <i>Frontiers in Immunology</i> , 2020, 11, 1172.	4.8	13
16	Patients with Multiple Functional Gastrointestinal Disorders (FGIDs) Show Increased Illness Severity: A Cross-Sectional Study in a Tertiary Care FGID Specialty Clinic. <i>Gastroenterology Research and Practice</i> , 2020, 2020, 1-10.	1.5	17
17	Heterogeneity of response to immune checkpoint blockade in hypermutated experimental gliomas. <i>Nature Communications</i> , 2020, 11, 931.	12.8	112
18	The Role of Brain-Derived Neurotrophic Factor in Irritable Bowel Syndrome. <i>Frontiers in Psychiatry</i> , 2020, 11, 531385.	2.6	10

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19	A complementary study approach unravels novel players in the pathoetiology of Hirschsprung disease. PLoS Genetics, 2020, 16, e1009106.	3.5	7
20	Molecular Characterization of Embryonic Stem Cell-Derived Cardiac Neural Crest-Like Cells Revealed a Spatiotemporal Expression of an Mlc-3 Isoform. International Journal of Stem Cells, 2020, 13, 65-79.	1.8	2
21	Postnatal human enteric neurospheres show a remarkable molecular complexity. Neurogastroenterology and Motility, 2019, 31, e13674.	3.0	2
22	Abnormalities of mucosal serotonin metabolism and 5-HT ₃ receptor subunit 3C polymorphism in irritable bowel syndrome with diarrhoea predict responsiveness to ondansetron. Alimentary Pharmacology and Therapeutics, 2019, 50, 538-546.	3.7	37
23	Dietary tryptophan links encephalogenicity of autoreactive T cells with gut microbial ecology. Nature Communications, 2019, 10, 4877.	12.8	69
24	Editorial: understanding differences in patient response to ondansetron in irritable bowel syndrome with diarrhoea—are we any closer? Authors' reply. Alimentary Pharmacology and Therapeutics, 2019, 50, 826-827.	3.7	0
25	Correlation of NRF2 and progesterone receptor and its effects on ovarian cancer biology. Cancer Management and Research, 2019, Volume 11, 7673-7684.	1.9	12
26	Gastrointestinal dysfunction in autism displayed by altered motility and achalasia in Foxp1 ^{+/Δ} mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22237-22245.	7.1	31
27	Hypoxic Environment Promotes Barrier Formation in Human Intestinal Epithelial Cells through Regulation of MicroRNA 320a Expression. Molecular and Cellular Biology, 2019, 39, .	2.3	34
28	Aberrant brain structural large-scale connectome in Crohn's disease. Neurogastroenterology and Motility, 2019, 31, e13593.	3.0	17
29	Expression Analysis of ATP-Binding Cassette Transporters ABCB11 and ABCB4 in Primary Sclerosing Cholangitis and Variety of Pediatric and Adult Cholestatic and Noncholestatic Liver Diseases. Canadian Journal of Gastroenterology and Hepatology, 2019, 2019, 1-10.	1.9	10
30	Interaction of ER α and NRF2 Impacts Survival in Ovarian Cancer Patients. International Journal of Molecular Sciences, 2019, 20, 112.	4.1	25
31	5-HT ₃ receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	0
32	Pilot-RCT of an integrative group therapy for patients with refractory irritable bowel syndrome (ISRCTN02977330). Journal of Psychosomatic Research, 2018, 105, 72-79.	2.6	15
33	CD40L controls obesity-associated vascular inflammation, oxidative stress, and endothelial dysfunction in high fat diet-treated and db/db mice. Cardiovascular Research, 2018, 114, 312-323.	3.8	37
34	Site-specific gene expression analysis from archived human intestine samples combining laser-capture microdissection and multiplexed color-coded probes. Neurogastroenterology and Motility, 2018, 30, e13261.	3.0	4
35	Sulforaphane Inhibits Inflammatory Responses of Primary Human T-Cells by Increasing ROS and Depleting Glutathione. Frontiers in Immunology, 2018, 9, 2584.	4.8	56
36	Funding for gastrointestinal disease research in the European Union. The Lancet Gastroenterology and Hepatology, 2018, 3, 593-595.	8.1	9

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37	Genetic studies in irritable bowel syndrome-status quo. <i>World Journal of Meta-analysis</i> , 2018, 6, 1-8.	0.1	2
38	miR-16 and miR-125b are involved in barrier function dysregulation through the modulation of claudin-2 and cingulin expression in the jejunum in IBS with diarrhoea. <i>Gut</i> , 2017, 66, 1537.1-1538.	12.1	105
39	Novel insights into a reputedly irreversible process: combined mRNA and miRNA profiling of tissue from vesicourethral anastomotic stenosis after radical prostatectomy. <i>World Journal of Urology</i> , 2017, 35, 1701-1711.	2.2	3
40	A Specialty Clinic for Functional Gastrointestinal Disorders in Tertiary Care: Concept and Patient Population. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 1127-1129.	4.4	12
41	Comparative expression analysis of Shox2-deficient embryonic stem cell-derived sinoatrial node-like cells. <i>Stem Cell Research</i> , 2017, 21, 51-57.	0.7	13
42	miR-16 and miR-103 impact 5-HT4 receptor signalling and correlate with symptom profile in irritable bowel syndrome. <i>Scientific Reports</i> , 2017, 7, 14680.	3.3	46
43	Murine transgenic embryonic stem cell lines for the investigation of sinoatrial node-related molecular pathways. <i>Stem Cell Research</i> , 2017, 25, 278-282.	0.7	3
44	Impact of Altered WNT2B Expression on Bladder Wall Fibroblasts: Implications for Apoptosis Regulation in the Stroma of the Lower Urinary Tract. <i>Urologia Internationalis</i> , 2017, 99, 476-483.	1.3	1
45	The Human Serotonin Type 3 Receptor Gene (<i>HTR3A-E</i>) Allelic Variant Database. <i>Human Mutation</i> , 2017, 38, 137-147.	2.5	14
46	Activation of Myenteric Glia during Acute Inflammation In Vitro and In Vivo. <i>PLoS ONE</i> , 2016, 11, e0151335.	2.5	69
47	Phenotyping of subjects for large scale studies on patients with IBS. <i>Neurogastroenterology and Motility</i> , 2016, 28, 1134-1147.	3.0	36
48	Irritable bowel syndrome. <i>Nature Reviews Disease Primers</i> , 2016, 2, 16014.	30.5	674
49	Lessons learned – resolving the enigma of genetic factors in IBS. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2016, 13, 77-87.	17.8	76
50	No association between the common calcium-sensing receptor polymorphism rs1801725 and irritable bowel syndrome. <i>BMC Medical Genetics</i> , 2015, 16, 110.	2.1	3
51	A meta-analysis of immunogenetic Case-Control Association Studies in irritable bowel syndrome. <i>Neurogastroenterology and Motility</i> , 2015, 27, 717-727.	3.0	35
52	Exploring the genetics of irritable bowel syndrome: a GWA study in the general population and replication in multinational case-control cohorts. <i>Gut</i> , 2015, 64, 1774-1782.	12.1	97
53	Catecholaminergic Gene Polymorphisms Are Associated with GI Symptoms and Morphological Brain Changes in Irritable Bowel Syndrome. <i>PLoS ONE</i> , 2015, 10, e0135910.	2.5	18
54	A common microdeletion affecting a hippocampus- and amygdala-specific isoform of tryptophan hydroxylase 2 is not associated with affective disorders. <i>Bipolar Disorders</i> , 2014, 16, 764-768.	1.9	2

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55	Natural compounds boldine and menthol are antagonists of human 5-HT ₃ receptors: implications for treating gastrointestinal disorders. <i>Neurogastroenterology and Motility</i> , 2014, 26, 810-820.	3.0	48
56	Ginger and its pungent constituents non-competitively inhibit activation of human recombinant and native 5-HT ₃ receptors of enteric neurons. <i>Neurogastroenterology and Motility</i> , 2013, 25, 439.	3.0	61
57	Replication of functional serotonin receptor type 3A and B variants in bipolar affective disorder: a European multicenter study. <i>Translational Psychiatry</i> , 2012, 2, e103-e103.	4.8	42
58	Serotonin Signaling Is Required for Wnt-Dependent GRP Specification and Leftward Flow in <i>Xenopus</i> . <i>Current Biology</i> , 2012, 22, 33-39.	3.9	60
59	The HTR3A Polymorphism c. -42C>T Is Associated With Amygdala Responsiveness in Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2011, 140, 1943-1951.	1.3	73
60	5-HT ₃ receptors: potential of individual isoforms for personalised therapy. <i>Current Opinion in Pharmacology</i> , 2011, 11, 81-86.	3.5	53
61	Serotonin receptor diversity in the human colon: Expression of serotonin type 3 receptor subunits 5-HT _{3C} , 5-HT _{3D} , and 5-HT _{3E} . <i>Journal of Comparative Neurology</i> , 2011, 519, 420-432.	1.6	43
62	5-HTTLPR and ST _{in} 2 polymorphisms in the serotonin transporter gene and irritable bowel syndrome: effect of bowel habit and sex. <i>European Journal of Gastroenterology and Hepatology</i> , 2010, 22, 856-861.	1.6	42
63	5-HT ₃ receptors: Role in disease and target of drugs. , 2010, 128, 146-169.		185
64	Polymorphism in <i>HTR3D</i> shows different risks for acute chemotherapy-induced vomiting after anthracycline chemotherapy. <i>Pharmacogenomics</i> , 2010, 11, 943-950.	1.3	29
65	RIC-3 Exclusively Enhances the Surface Expression of Human Homomeric 5-Hydroxytryptamine Type 3A (5-HT _{3A}) Receptors Despite Direct Interactions with 5-HT _{3A} , -C, -D, and -E Subunits. <i>Journal of Biological Chemistry</i> , 2010, 285, 26956-26965.	3.4	31
66	Two naturally occurring variants of the serotonin receptor gene <i>HTR3C</i> are associated with nausea in pregnancy. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2010, 89, 7-14.	2.8	24
67	1003 A Coding Variant in the Serotonin Receptor 3C Subunit Is Associated with Diarrhea-Predominant Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2009, 136, A-155-A-156.	1.3	9
68	Functional variants of the serotonin receptor type 3A and B gene are associated with eating disorders. <i>Pharmacogenetics and Genomics</i> , 2009, 19, 790-799.	1.5	35
69	Polymorphisms in the novel serotonin receptor subunit gene <i>HTR3C</i> show different risks for acute chemotherapy-induced vomiting after anthracycline chemotherapy. <i>Journal of Cancer Research and Clinical Oncology</i> , 2008, 134, 1079-1086.	2.5	53
70	First evidence for an association of a functional variant in the microRNA-510 target site of the serotonin receptor-type 3E gene with diarrhea predominant irritable bowel syndrome. <i>Human Molecular Genetics</i> , 2008, 17, 2967-2977.	2.9	173
71	Serotonin type 3 receptor genes: <i>HTR3A</i> , B, C, D, E. <i>Pharmacogenomics</i> , 2008, 9, 501-504.	1.3	80
72	Naturally occurring variants in the <i>HTR3B</i> gene significantly alter properties of human heteromeric 5-hydroxytryptamine-3A/B receptors. <i>Pharmacogenetics and Genomics</i> , 2008, 18, 793-802.	1.5	34

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73	Characterization of the Novel Human Serotonin Receptor Subunits 5-HT3C,5-HT3D, and 5-HT3E. <i>Molecular Pharmacology</i> , 2007, 72, 8-17.	2.3	154
74	The novel humanSHOX allelic variant database. <i>Human Mutation</i> , 2007, 28, 933-938.	2.5	18
75	Aequorin luminescence-based assay for 5-hydroxytryptamine (serotonin) type 3 receptor characterization. <i>Analytical Biochemistry</i> , 2007, 368, 185-192.	2.4	18
76	Investigation of the human serotonin receptor gene <i>HTR3B</i> in bipolar affective and schizophrenic patients. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2004, 131B, 1-5.	1.7	53
77	Cloning, physical mapping and expression analysis of the human 5-HT3 serotonin receptor-like genes HTR3C, HTR3D and HTR3E. <i>Gene</i> , 2003, 310, 101-111.	2.2	246
78	The humanSHOX mutation database. <i>Human Mutation</i> , 2002, 20, 338-341.	2.5	20
79	Serotonin receptor gene HTR3A variants in schizophrenic and bipolar affective patients. <i>Pharmacogenetics and Genomics</i> , 2001, 11, 21-27.	5.7	63
80	Association between the 5' UTR variant C178T of the serotonin receptor gene HTR3A and bipolar affective disorder. <i>Pharmacogenetics and Genomics</i> , 2001, 11, 471-475.	5.7	119
81	Pseudoautosomal deletions encompassing a novel homeobox gene cause growth failure in idiopathic short stature and Turner syndrome. <i>Nature Genetics</i> , 1997, 16, 54-63.	21.4	867