Sana Syed,, Mscr, Msds

List of Publications by Year
in descending order

44 papers	553 citations	840776 11 h-index	713466 21 g-index
46 all docs	46 docs citations	46 times ranked	649 citing authors

#	Article	IF	Citations
1	Machine Learning Predictive Outcomes Modeling in Inflammatory Bowel Diseases. Inflammatory Bowel Diseases, 2022, 28, 819-829.	1.9	8
2	Application of Artificial Intelligence to Clinical Practice in Inflammatory Bowel Disease â€“ What the Clinician Needs to Know. Journal of Crohn's and Colitis, 2022, 16, 460-471.	1.3	5
3	Association of Anti-Rotavirus IgA Seroconversion with Growth, Environmental Enteric Dysfunction and Enteropathogens in Rural Pakistani Infants. Vaccine, 2022, 40, 3444-3451.	3.8	1
4	Deep Learning for Predicting Pediatric Crohn's Disease Using Histopathological Imaging. , 2022, , .		0
5	Advancing Eosinophilic Esophagitis Diagnosis and Phenotype Assessment with Deep Learning Computer Vision. , 2021, 2021, 44-55.		5
6	CoMixMatch: Semi-supervised Detection of Pancreatic Cancer on Noisy, Gigapixel Histology Images. , 2021, , .		0
7	Ten simple rules for engaging with artificial intelligence in biomedicine. PLoS Computational Biology, 2021, 17, e1008531.	3.2	11
8	Mucosal Genomics Implicate Lymphocyte Activation and Lipid Metabolism in Refractory Environmental Enteric Dysfunction. Gastroenterology, 2021, 160, 2055-2071.e0.	1.3	38
9	Gut integrity and duodenal enteropathogen burden in undernourished children with environmental enteric dysfunction. PLoS Neglected Tropical Diseases, 2021, 15, e0009584.	3.0	6
10	Artificial Intelligenceâ€based Analytics for Diagnosis of Small Bowel Enteropathies and Black Box Feature Detection. Journal of Pediatric Gastroenterology and Nutrition, 2021, 72, 833-841.	1.8	7
11	Bile Acid Profiling Reveals Distinct Signatures in Undernourished Children with Environmental Enteric Dysfunction. Journal of Nutrition, 2021, 151, 3689-3700.	2.9	13
12	Dialing in Prevention of Childhood Stunting and Diarrhea in Low-Income Countries. Clinical Infectious Diseases, 2021, 73, e2569-e2570.	5.8	0
13	Distance from Healthcare Facilities Is Associated with Increased Morbidity of Acute Infection in Pediatric Patients in Matiari, Pakistan. International Journal of Environmental Research and Public Health, 2021, 18, 11691.	2.6	5
14	Deep Learning Methods for Anatomical Landmark Detection in Video Capsule Endoscopy Images. Advances in Intelligent Systems and Computing, 2021, 1288, 426-434.	0.6	6
15	Artificial Intelligence and Its Role in Identifying Esophageal Neoplasia. Digestive Diseases and Sciences, 2020, 65, 3448-3455.	2.3	11
16	Deep Learning for Whole-Slide Tissue Histopathology Classification: A Comparative Study in the Identification of Dysplastic and Non-Dysplastic Barrettâ€™s Esophagus. Journal of Personalized Medicine, 2020, 10, 141.	2.5	19
17	Screening for Barrett's Esophagus with Probe-Based Confocal Laser Endomicroscopy Videos. , 2020, 2020, 1659-1663.		4
18	Potential for Standardization and Automation for Pathology and Endoscopy in Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2020, 26, 1490-1497.	1.9	9

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19	Machine learning model demonstrates stunting at birth and systemic inflammatory biomarkers as predictors of subsequent infant growth â€“ a four-year prospective study. BMC Pediatrics, 2020, 20, 498.	1.7	4
20	Time to regain birth weight predicts neonatal growth velocity: A single-center experience. Clinical Nutrition ESPEN, 2020, 38, 165-171.	1.2	9
21	Celiac Disease Screening for High-Risk Groups: Are We Doing It Right?. Digestive Diseases and Sciences, 2020, 65, 2187-2195.	2.3	10
22	HMIC: Hierarchical Medical Image Classification, A Deep Learning Approach. Information (Switzerland), 2020, 11, 318.	2.9	33
23	A novel histological index for evaluation of environmental enteric dysfunction identifies geographic-specific features of enteropathy among children with suboptimal growth. PLoS Neglected Tropical Diseases, 2020, 14, e0007975.	3.0	34
24	Hierarchical Deep Convolutional Neural Networks for Multi-category Diagnosis of Gastrointestinal Disorders on Histopathological Images. , 2020, , .		8
25	Semi-Supervised Classification of Noisy, Gigapixel Histology Images. Proceedings-- IEEE International Symposium on Bioinformatics and Bioengineering, 2020, 2020, 563-568.	1.0	2
26	Semi-Supervised Classification of Noisy, Gigapixel Histology Images. , 2020, 2020, 563-568.		6
27	Title is missing!. , 2020, 14, e0007975.		0
28	Title is missing!. , 2020, 14, e0007975.		0
29	Title is missing!. , 2020, 14, e0007975.		0
30	Study of Environmental Enteropathy and Malnutrition (SEEM) in Pakistan: protocols for biopsy based biomarker discovery and validation. BMC Pediatrics, 2019, 19, 247.	1.7	22
31	Pathobiome driven gut inflammation in Pakistani children with Environmental Enteric Dysfunction. PLoS ONE, 2019, 14, e0221095.	2.5	11
32	Assessment of Machine Learning Detection of Environmental Enteropathy and Celiac Disease in Children. JAMA Network Open, 2019, 2, e195822.	5.9	35
33	Cholestasis affects enteral tolerance and prospective weight gain in the NICU. Clinical Nutrition ESPEN, 2019, 30, 119-125.	1.2	7
34	CeliacNet: Celiac Disease Severity Diagnosis on Duodenal Histopathological Images Using Deep Residual Networks. , 2019, 2019, 962-967.		9
35	Deep Learning for Visual Recognition of Environmental Enteropathy and Celiac Disease. , 2019, , .		6
36	Duodenal Biopsies Classification and Understanding using Convolutional Neural Networks. AMIA Summits on Translational Science Proceedings, 2019, 2019, 453-461.	0.4	2

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37	Promising Biomarkers of Environmental Enteric Dysfunction: A Prospective Cohort study in Pakistani Children. Scientific Reports, 2018, 8, 2966.	3.3	45
38	Twoâ€Yearâ€Old With a Limp and Suspected Nonaccidental Injury. Journal of Pediatric Gastroenterology and Nutrition, 2018, 67, e11.	1.8	1
39	Biomarkers of Systemic Inflammation and Growth in Early Infancy are Associated with Stunting in Young Tanzanian Children. Nutrients, 2018, 10, 1158.	4.1	23
40	High SMAD7 and p-SMAD2,3 expression is associated with environmental enteropathy in children. PLoS Neglected Tropical Diseases, 2018, 12, e0006224.	3.0	12
41	Serum anti-flagellin and anti-lipopolysaccharide immunoglobulins as predictors of linear growth faltering in Pakistani infants at risk for environmental enteric dysfunction. PLoS ONE, 2018, 13, e0193768.	2.5	14
42	Environmental Enteropathy in Undernourished Pakistani Children: Clinical and Histomorphometric Analyses. American Journal of Tropical Medicine and Hygiene, 2018, 98, 1577-1584.	1.4	20
43	Tissue is the Issue: Duodenal Biopsies to Elucidate Gut Structure and Function Among Undernourished Children in Low-Resource Settings. EBioMedicine, 2017, 23, 10-11.	6.1	1
44	Environmental Enteric Dysfunction in Children. Journal of Pediatric Gastroenterology and Nutrition, 2016, 63, 6-14.	1.8	91