

# Meera Shanmuganathan

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

356  
citations

933447

10  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capillary Electrophoresis-Mass Spectrometry at Trial by Metabo-Ring: Effective Electrophoretic Mobility for Reproducible and Robust Compound Annotation. <i>Analytical Chemistry</i> , 2020, 92, 14103-14112.	6.5	44
2	Interlaboratory study to evaluate the robustness of capillary electrophoresis-mass spectrometry for peptide mapping. <i>Journal of Separation Science</i> , 2015, 38, 3262-3270.	2.5	36
3	Metabolomics for improved treatment monitoring of phenylketonuria: urinary biomarkers for non-invasive assessment of dietary adherence and nutritional deficiencies. <i>Analyst</i> , 2019, 144, 6595-6608.	3.5	36
4	The maternal serum metabolome by multisegment injection-capillary electrophoresis-mass spectrometry: a high-throughput platform and standardized data workflow for large-scale epidemiological studies. <i>Nature Protocols</i> , 2021, 16, 1966-1994.	12.0	33
5	Metabolic Trajectories Following Contrasting Prudent and Western Diets from Food Provisions: Identifying Robust Biomarkers of Short-Term Changes in Habitual Diet. <i>Nutrients</i> , 2019, 11, 2407.	4.1	32
6	High quality drug screening by capillary electrophoresis: A review. <i>Analytica Chimica Acta</i> , 2013, 773, 24-36.	5.4	29
7	Inhibitor screening of pharmacological chaperones for lysosomal $\beta$ -glucocerebrosidase by capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2843-2853.	3.7	24
8	Maternal Diet and the Serum Metabolome in Pregnancy: Robust Dietary Biomarkers Generalizable to a Multiethnic Birth Cohort. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa144.	0.3	24
9	Urinary Metabolites Enable Differential Diagnosis and Therapeutic Monitoring of Pediatric Inflammatory Bowel Disease. <i>Metabolites</i> , 2021, 11, 245.	2.9	13
10	Urinary hydroxypyrene determination for biomonitoring of firefighters deployed at the Fort McMurray wildfire: an inter-laboratory method comparison. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1397-1407.	3.7	12
11	A Cross-Platform Metabolomics Comparison Identifies Serum Metabolite Signatures of Liver Fibrosis Progression in Chronic Hepatitis C Patients. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 676349.	3.5	11
12	Personalization of Aspirin Therapy Ex Vivo in Patients with Atherosclerosis Using Light Transmission Aggregometry. <i>Diagnostics</i> , 2020, 10, 871.	2.6	10
13	Lyophilized fecal short-chain fatty acid and electrolyte determination by capillary electrophoresis with indirect UV detection for assessment of pediatric inflammatory bowel disease. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 192, 113658.	2.8	9
14	Metabolite profiles and the risk of metabolic syndrome in early childhood: a case-control study. <i>BMC Medicine</i> , 2021, 19, 292.	5.5	9
15	Serum metabolomic signatures of gestational diabetes in South Asian and white European women. <i>BMJ Open Diabetes Research and Care</i> , 2022, 10, e002733.	2.8	8
16	Sources of Variation in Food-Related Metabolites during Pregnancy. <i>Nutrients</i> , 2022, 14, 2503.	4.1	7
17	Functional Screening of Pharmacological Chaperones via Restoration of Enzyme Activity upon Denaturation. <i>Biochemistry</i> , 2012, 51, 7651-7653.	2.5	6
18	New Advances for Newborn Screening of Inborn Errors of Metabolism by Capillary Electrophoresis-Mass Spectrometry (CE-MS). <i>Methods in Molecular Biology</i> , 2019, 1972, 139-163.	0.9	6

#	ARTICLE	IF	CITATIONS
19	High-throughput and Comprehensive Drug Surveillance Using Multisegment Injection-Capillary Electrophoresis-Mass Spectrometry. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	2
20	New Advances in Amino Acid Profiling in Biological Samples by Capillary Electrophoresis-Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2019, 2030, 327-350.	0.9	1
21	The Metabolomic Pathways of the Senescence-Associated Secretory Phenotype in C2C12 Myoblasts. <i>FASEB Journal</i> , 2022, 36, .	0.5	0