

# Elaine Sumners

## List of Publications by Citations

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37  
papers

1,274  
citations

17  
h-index

35  
g-index

40  
ext. papers

1,822  
ext. citations

6.8  
avg, IF

5.01  
L-index

#	Paper	IF	Citations
37	The gut microbiota and the brain-gut-kidney axis in hypertension and chronic kidney disease. <i>Nature Reviews Nephrology</i> , <b>2018</b> , 14, 442-456	14.9	199
36	Increased human intestinal barrier permeability plasma biomarkers zonulin and FABP2 correlated with plasma LPS and altered gut microbiome in anxiety or depression. <i>Gut</i> , <b>2018</b> , 67, 1555-1557	19.2	189
35	Imbalance of gut microbiome and intestinal epithelial barrier dysfunction in patients with high blood pressure. <i>Clinical Science</i> , <b>2018</b> , 132, 701-718	6.5	177
34	The Gut, Its Microbiome, and Hypertension. <i>Current Hypertension Reports</i> , <b>2017</b> , 19, 36	4.7	78
33	Intestinal Permeability Biomarker Zonulin is Elevated in Healthy Aging. <i>Journal of the American Medical Directors Association</i> , <b>2017</b> , 18, 810.e1-810.e4	5.9	60
32	Altered Gut Microbiome Profile in Patients With Pulmonary Arterial Hypertension. <i>Hypertension</i> , <b>2020</b> , 75, 1063-1071	8.5	57
31	Angiotensin II type 2 receptor-mediated stimulation of protein phosphatase 2A in rat hypothalamic/brainstem neuronal cocultures. <i>Journal of Neurochemistry</i> , <b>1995</b> , 65, 2131-7	6	54
30	Microglial Cells Impact Gut Microbiota and Gut Pathology in Angiotensin II-Induced Hypertension. <i>Circulation Research</i> , <b>2019</b> , 124, 727-736	15.7	52
29	Impaired Autonomic Nervous System-Microbiome Circuit in Hypertension. <i>Circulation Research</i> , <b>2019</b> , 125, 104-116	15.7	47
28	ACE2 (Angiotensin-Converting Enzyme 2) in Cardiopulmonary Diseases: Ramifications for the Control of SARS-CoV-2. <i>Hypertension</i> , <b>2020</b> , 76, 651-661	8.5	38
27	Sustained Captopril-Induced Reduction in Blood Pressure Is Associated With Alterations in Gut-Brain Axis in the Spontaneously Hypertensive Rat. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e010721	6	37
26	Angiotensin II type 1 receptor-modulated signaling pathways in neurons. <i>Molecular Neurobiology</i> , <b>1999</b> , 19, 25-41	6.2	36
25	Maternal Treatment With Captopril Persistently Alters Gut-Brain Communication and Attenuates Hypertension of Male Offspring. <i>Hypertension</i> , <b>2020</b> , 75, 1315-1324	8.5	29
24	Gut microbiota and serum metabolite differences in African Americans and White Americans with high blood pressure. <i>International Journal of Cardiology</i> , <b>2018</b> , 271, 336-339	3.2	27
23	Gut Microbiota: Potential for a Unifying Hypothesis for Prevention and Treatment of Hypertension. <i>Circulation Research</i> , <b>2017</b> , 120, 1724-1726	15.7	24
22	Alpha 2-adrenergic receptors in neuronal and glial cultures: characterization and comparison. <i>Journal of Neurochemistry</i> , <b>1989</b> , 53, 287-96	6	19
21	Butyrate Regulates COVID-19-Relevant Genes in Gut Epithelial Organoids From Normotensive Rats. <i>Hypertension</i> , <b>2021</b> , 77, e13-e16	8.5	19

20	Transcriptomic signature of gut microbiome-contacting cells in colon of spontaneously hypertensive rats. <i>Physiological Genomics</i> , <b>2020</b> , 52, 121-132	3.6	16
19	Therapeutic Delivery of Ang(1-7) via Genetically Modified Probiotic: A Dosing Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2020</b> , 75, 1299-1303	6.4	14
18	Pulmonary hypertension: Pathophysiology beyond the lung. <i>Pharmacological Research</i> , <b>2020</b> , 151, 104518.2	10.2	13
17	Genomic Effect of Triclosan on the Fetal Hypothalamus: Evidence for Altered Neuropeptide Regulation. <i>Endocrinology</i> , <b>2016</b> , 157, 2686-97	4.8	11
16	Pulmonary arterial hypertension-associated changes in gut pathology and microbiota. <i>ERJ Open Research</i> , <b>2020</b> , 6,	3.5	11
15	Angiotensin-converting enzyme 2 and COVID-19 in cardiorenal diseases. <i>Clinical Science</i> , <b>2021</b> , 135, 1-17	6.5	11
14	Regulation of alpha 2A-adrenergic receptor mRNA in rat astroglial cultures: role of cyclic AMP and protein kinase C. <i>Journal of Neurochemistry</i> , <b>1997</b> , 68, 47-57	6	10
13	Regulation of alpha2A-adrenergic receptor expression by epinephrine in cultured astroglia from rat brain. <i>Journal of Neurochemistry</i> , <b>1998</b> , 70, 86-95	6	8
12	SARS-CoV-2 Receptor ACE2 (Angiotensin-Converting Enzyme 2) Is Upregulated in Colonic Organoids From Hypertensive Rats. <i>Hypertension</i> , <b>2020</b> , 76, e26-e28	8.5	7
11	Gut Microbiome and Neuroinflammation in Hypertension.. <i>Circulation Research</i> , <b>2022</b> , 130, 401-417	15.7	6
10	Would Repurposing Minocycline Alleviate Neurologic Manifestations of COVID-19?. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 577780	5.1	4
9	ACE2 as therapeutic agent. <i>Clinical Science</i> , <b>2020</b> , 134, 2581-2595	6.5	4
8	Identification of a Gut Commensal That Compromises the Blood Pressure-Lowering Effect of Ester Angiotensin-Converting Enzyme Inhibitors.. <i>Hypertension</i> , <b>2022</b> , 101161HYPERTENSIONAHA12118711	8.5	4
7	Mechanisms of in utero cortisol effects on the newborn heart revealed by transcriptomic modeling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 316, R323-R337.2	3.2	3
6	Gut-brain-bone marrow axis in hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , <b>2021</b> , 30, 159-165	3.5	3
5	Distinct Gene Expression Profiles in Colonic Organoids from Normotensive and the Spontaneously Hypertensive Rats. <i>Cells</i> , <b>2021</b> , 10,	7.9	3
4	Depressive hypertension: A proposed human endotype of brain/gut microbiome dysbiosis. <i>American Heart Journal</i> , <b>2021</b> , 239, 27-37	4.9	3
3	Potential of Minocycline for Treatment of Resistant Hypertension. <i>American Journal of Cardiology</i> , <b>2021</b> , 156, 147-149	3	1

- 2 Short-term captopril treatment causes persistently decreased blood pressure associated with long-lasting shifts in gut microbiota and improvement in gut pathology. *FASEB Journal*, **2018**, 32, 582.7 0.9
- 1 Translocation of bone marrow-derived cells contribute to PVN neuroinflammation in hypoxia-induced PH. *FASEB Journal*, **2019**, 33, 550.13 0.9