

# Ramji Sitaraman Lakshmanan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24  
papers

636  
citations

11  
h-index

25  
g-index

26  
ext. papers

733  
ext. citations

6.4  
avg, IF

3.11  
L-index

#	Paper	IF	Citations
24	Simple and convenient measurement of RBC deformability using QCM integrated with a novel model of cell viscoelasticity. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 266, 472-476	8.5	2
23	Measurement of the viscoelastic properties of blood plasma clot formation in response to tissue factor concentration-dependent activation. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 6581-8	4.4	11
22	Comparative study of thermal stability of magnetostrictive biosensor between two kinds of biorecognition elements. <i>Materials Science and Engineering C</i> , <b>2014</b> , 41, 78-82	8.3	3
21	Measurement of the evolution of rigid and viscoelastic mass contributions from fibrin network formation during plasma coagulation using quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 192, 23-28	8.5	20
20	The modelling of blood coagulation using the quartz crystal microbalance. <i>Journal of Biomechanics</i> , <b>2013</b> , 46, 437-42	2.9	9
19	Monitoring the effects of fibrinogen concentration on blood coagulation using quartz crystal microbalance (QCM) and its comparison with thromboelastography <b>2013</b> ,		2
18	The Longevity of Polyclonal Antibody to Salmonella typhimurium at Different Temperatures on a Magnetostrictive Sensor Platform. <i>Nanoscience and Nanotechnology - Asia</i> , <b>2012</b> , 1, 25-30	0.7	
17	Nature of sensitive high-order resonant modes in piezoelectric excited millimeter sized cantilever (PEMC) sensors. <i>Sensors and Actuators A: Physical</i> , <b>2011</b> , 171, 79-86	3.9	5
16	A method for characterizing mechanical properties of sugar films using a piezoelectric-excited millimeter sized cantilever (PEMC) sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 160, 1304-1308	8.5	
15	Piezoelectric cantilever sensors with asymmetric anchor exhibit picogram sensitivity in liquids. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 153, 64-70	8.5	34
14	Impedance change as an alternate measure of resonant frequency shift of piezoelectric-excited millimeter-sized cantilever (PEMC) sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 145, 601-604	8.5	13
13	Detection of S. Typhimurium and Bacillus Anthracis Spores in a Flow System Using ME Biosensors by Optimizing Phage Chemistry. <i>IEEE Sensors Journal</i> , <b>2009</b> , 9, 1091-1097	4	1
12	Phage coated magnetoelastic micro-biosensors for real-time detection of Bacillus anthracis spores. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 137, 501-506	8.5	58
11	Sequential detection of Salmonella typhimurium and Bacillus anthracis spores using magnetoelastic biosensors. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 24, 1730-6	11.8	88
10	Magnetoelastic Material as a Biosensor for the Detection of Salmonella Typhimurium.. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1129, 1		
9	Analytical performance and characterization of antibody immobilized magnetoelastic biosensors. <i>Sensing and Instrumentation for Food Quality and Safety</i> , <b>2008</b> , 2, 27-33		9
8	Selective detection of Salmonella typhimurium in the presence of high concentrations of masking bacteria. <i>Sensing and Instrumentation for Food Quality and Safety</i> , <b>2008</b> , 2, 234-239		4

7	The effect of salt and phage concentrations on the binding sensitivity of magnetoelastic biosensors for Bacillus anthracis detection. <i>Biotechnology and Bioengineering</i> , <b>2008</b> , 101, 1014-21	4.9	36
6	A magnetoelastic resonance biosensor immobilized with polyclonal antibody for the detection of Salmonella typhimurium. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 1474-9	11.8	89
5	Detection of Salmonella typhimurium in fat free milk using a phage immobilized magnetoelastic sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 126, 544-550	8.5	107
4	Magnetoelastic biosensor for the detection of Salmonella typhimurium in food products. <i>Sensing and Instrumentation for Food Quality and Safety</i> , <b>2007</b> , 1, 3-10		16
3	Rapid and sensitive magnetoelastic biosensors for the detection of Salmonella typhimurium in a mixed microbial population. <i>Journal of Microbiological Methods</i> , <b>2007</b> , 70, 112-8	2.8	42
2	Phage immobilized magnetoelastic sensor for the detection of Salmonella typhimurium. <i>Journal of Microbiological Methods</i> , <b>2007</b> , 71, 55-60	2.8	87
1	Detection of Salmonella typhimurium using polyclonal antibody immobilized magnetostrictive biosensors <b>2006</b> , 6201, 220		