

# Rahul Goel

## List of Publications by Citations

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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.

27  
papers

330  
citations

10  
h-index

17  
g-index

30  
ext. papers

421  
ext. citations

3.2  
avg. IF

3.47  
L-index

#	Paper	IF	Citations
27	CHARACTERISTICS OF THE GAIT INITIATION PHASE IN OLDER ADULTS WITH DIABETIC PERIPHERAL NEUROPATHY. <i>Innovation in Aging</i> , <b>2019</b> , 3, S474-S474	0.1	78
26	Using Low Levels of Stochastic Vestibular Stimulation to Improve Balance Function. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136335	3.7	48
25	Using low levels of stochastic vestibular stimulation to improve locomotor stability. <i>Frontiers in Systems Neuroscience</i> , <b>2015</b> , 9, 117	3.5	38
24	Effectiveness of Daily Use of Bilateral Custom-Made Ankle-Foot Orthoses on Balance, Fear of Falling, and Physical Activity in Older Adults: A Randomized Controlled Trial. <i>Gerontology</i> , <b>2019</b> , 65, 299-307	5.5	21
23	Fronto-Parietal Brain Areas Contribute to the Online Control of Posture during a Continuous Balance Task. <i>Neuroscience</i> , <b>2019</b> , 413, 135-153	3.9	19
22	An experimental and numerical study of blast induced shock wave mitigation in sandwich structures. <i>Applied Acoustics</i> , <b>2013</b> , 74, 1-9	3.1	15
21	Shock attenuation of PMMA sandwich panels filled with soda-lime glass beads: A fluid-structure interaction continuum model simulation. <i>International Journal of Impact Engineering</i> , <b>2012</b> , 47, 48-59	4	14
20	Critical Role of Somatosensation in Postural Control Following Spaceflight: Vestibularly Deficient Astronauts Are Not Able to Maintain Upright Stance During Compromised Somatosensation. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1680	4.6	12
19	Effect of back pressure on impact and compression-after-impact characteristics of composites. <i>Composite Structures</i> , <b>2011</b> , 93, 944-951	5.3	11
18	Stress wave attenuation in ceramic plates. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 103504	2.5	11
17	Stress wave micro-macro attenuation in ceramic plates made of tiles during ballistic impact. <i>International Journal of Mechanical Sciences</i> , <b>2014</b> , 83, 30-37	5.5	10
16	Effects of five days of bed rest with intermittent centrifugation on neurovestibular function. <i>Journal of Musculoskeletal Neuronal Interactions</i> , <b>2015</b> , 15, 60-8	1.3	10
15	Effects of speed and direction of perturbation on electroencephalographic and balance responses. <i>Experimental Brain Research</i> , <b>2018</b> , 236, 2073-2083	2.3	9
14	Daily Use of Bilateral Custom-Made Ankle-Foot Orthoses for Fall Prevention in Older Adults: A Randomized Controlled Trial. <i>Journal of the American Geriatrics Society</i> , <b>2019</b> , 67, 1656-1661	5.6	6
13	Evaluating the Performance of Helmet Linings Incorporating Fluid Channels. <i>Journal of ASTM International</i> , <b>2010</b> , 7, 102821		6
12	Motor Control Performance During Rapid Voluntary Movements of Elbow and Knee. <i>Journal of Motor Behavior</i> , <b>2016</b> , 48, 348-56	1.4	3
11	Assessing Somatosensory Utilization during Unipedal Postural Control. <i>Frontiers in Systems Neuroscience</i> , <b>2017</b> , 11, 21	3.5	3

10	Modeling the benefits of an artificial gravity countermeasure coupled with exercise and vibration. <i>Acta Astronautica</i> , <b>2012</b> , 70, 43-51	2.9	3
9	Wearable Sensor-Based Digital Biomarker to Estimate Chest Expansion During Sit-to-Stand Transitions-A Practical Tool to Improve Sternal Precautions in Patients Undergoing Median Sternotomy. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2020</b> , 28, 165-173	4.8	3
8	Initial Development of an Earth-Based Prototype for a Lunar Hopper Exploration System <b>2009</b> ,		2
7	Design/Development of Mini/Micro Air Vehicles through Modelling and Simulation: Case of an Autonomous Quadrotor. <i>Defence Science Journal</i> , <b>2011</b> , 61, 337-345	1.4	2
6	Balance confidence and turning behavior as a measure of fall risk. <i>Gait and Posture</i> , <b>2020</b> , 80, 1-6	2.6	2
5	Linear Predictive Coding for Acute Stress Prediction from Computer Mouse Movements. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2021</b> , 2021, 7465-7469	0.9	1
4	Stress Tracker-Detecting Acute Stress From a Trackpad: Controlled Study. <i>Journal of Medical Internet Research</i> , <b>2020</b> , 22, e22743	7.6	1
3	Effect of Workstation Type on the Relationship Between Fatigue, Physical Activity, Stress, and Sleep. <i>Journal of Occupational and Environmental Medicine</i> , <b>2021</b> , 63, e103-e110	2	1
2	Calibrating balance perturbation using electrical stimulation of the vestibular system. <i>Journal of Neuroscience Methods</i> , <b>2019</b> , 311, 193-199	3	1
1	Assessment of dual-tasking during a dynamic balance task using a smartphone app: a pilot study.. <i>Journal of Physical Therapy Science</i> , <b>2022</b> , 34, 115-121	1	0