

# Sunil K Agrawal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10768996/publications.pdf>

Version: 2024-02-01

16  
papers

1,523  
citations

840119

11  
h-index

996533

15  
g-index

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all docs

16  
docs citations

16  
times ranked

1335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in Gait Parameters Due to Visual and Head Oscillations in Football Players and Non-Athletes. IEEE Robotics and Automation Letters, 2022, 7, 7171-7176.	3.3	4
2	Hearing Loss Is Associated with Increased Variability in Double Support Period in the Elderly. Sensors, 2021, 21, 278.	2.1	7
3	Balance and gait in the elderly: A contemporary review. Laryngoscope Investigative Otolaryngology, 2019, 4, 143-153.	0.6	229
4	Retraining of Human Gait - Are Lightweight Cable-Driven Leg Exoskeleton Designs Effective?. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 847-855.	2.7	40
5	MAXFAS: Mechatronic Arm Exoskeleton for Firearm Aim Stabilization. Journal of Mechanisms and Robotics, 2016, 8, .	1.5	3
6	Planning and control of under-actuated mobile manipulators using differential flatness. Autonomous Robots, 2010, 29, 35-52.	3.2	29
7	Novel Gait Adaptation and Neuromotor Training Results Using an Active Leg Exoskeleton. IEEE/ASME Transactions on Mechatronics, 2010, 15, 216-225.	3.7	131
8	Robot Assisted Gait Training With Active Leg Exoskeleton (ALEX). IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2009, 17, 2-8.	2.7	629
9	Differentially Flat Design of Bipedes Ensuring Limit-Cycles. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	11
10	An Energy Efficient Manipulator Design Approach: Application to a Leg in Swing Phase. Journal of Mechanical Design, Transactions of the ASME, 2007, 129, 512-519.	1.7	8
11	Design of Under-Actuated Open-Chain Planar Robots for Repetitive Cyclic Motions. , 2006, , 1057.		9
12	A Flatness Based Approach to Trajectory Modification of Residual Motion of Cable Transporter Systems. JVC/Journal of Vibration and Control, 2004, 10, 1441-1457.	1.5	12
13	Gravity-balancing of spatial robotic manipulators. Mechanism and Machine Theory, 2004, 39, 1331-1344.	2.7	136
14	Trajectory Planning of Differentially Flat Systems with Dynamics and Inequalities. Journal of Guidance, Control, and Dynamics, 2001, 24, 219-227.	1.6	141
15	Differential flatness based nonlinear predictive control of fed-batch bioreactors. Control Engineering Practice, 2001, 9, 889-899.	3.2	56
16	Design and Fabrication of an Active Gravity Balanced Planar Mechanism Using Auxiliary Parallelograms. Journal of Mechanical Design, Transactions of the ASME, 2001, 123, 525-528.	1.7	78