

# Stein Crispel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/586326/publications.pdf>

Version: 2024-02-01

10  
papers

108  
citations

1684188

5  
h-index

1588992

8  
g-index

10  
all docs

10  
docs citations

10  
times ranked

50  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact Gearboxes for Modern Robotics: A Review. <i>Frontiers in Robotics and AI</i> , 2020, 7, 103.	3.2	49
2	Scaling laws for robotic transmissions. <i>Mechanism and Machine Theory</i> , 2019, 140, 601-621.	4.5	18
3	A Novel Wolfrom-Based Gearbox for Robotic Actuators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2021, 26, 1980-1988.	5.8	17
4	Scaling laws of compliant elements for high energy storage capacity in robotics. <i>Mechanism and Machine Theory</i> , 2019, 139, 482-505.	4.5	6
5	Failure Mode and Effect Analysis (FMEA)-Driven Design of a Planetary Gearbox for Active Wearable Robotics. <i>Biosystems and Biorobotics</i> , 2019, , 460-464.	0.3	5
6	Introducing Compound Planetary Gears (C-PGTs): A Compact Way to Achieve High Gear Ratios for Wearable Robots. <i>Biosystems and Biorobotics</i> , 2019, , 485-489.	0.3	5
7	Customizing planetary gear trains for human limb assistance and replication. <i>MATEC Web of Conferences</i> , 2019, 287, 01014.	0.2	4
8	Scaling laws for parallel motor-gearbox arrangements. , 2020, , .		2
9	Energetic Advantages of Constant Torque Springs in Series Parallel Elastic Actuators. , 2019, , .		1
10	Novel SPECTA Actuator to Improve Energy Recuperation and Efficiency. <i>Actuators</i> , 2022, 11, 64.	2.3	1