

# Young-jun Park

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

370  
citations

933264

10  
h-index

887953

17  
g-index

35  
all docs

35  
docs citations

35  
times ranked

238  
citing authors

#	ARTICLE	IF	CITATIONS
1	Macro geometry optimization of a helical gear pair for mass, efficiency, and transmission error. <i>Mechanism and Machine Theory</i> , 2020, 144, 103634.	2.7	45
2	A general model reduction with primal assembly in structural dynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 324, 1-28.	3.4	43
3	Load sharing and distributed on the gear flank of wind turbine planetary gearbox. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 309-316.	0.7	25
4	An experimental study on the effect of carrier pinhole position errors on planet gear load sharing. <i>International Journal of Precision Engineering and Manufacturing</i> , 2016, 17, 1305-1312.	1.1	25
5	Characteristic Analysis of Wind Turbine Gearbox Considering Non-Torque Loading. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2013, 135, .	1.7	21
6	Effects of Non-torque Loads and Carrier Pinhole Position Errors on Planet Load Sharing of Wind Turbine Gearbox. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2019, 6, 281-292.	2.7	21
7	Effects of bearing characteristics on load distribution and sharing of pitch reducer for wind turbine. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2016, 3, 55-65.	2.7	20
8	Experimental Study on the Carrier Pinhole Position Error Affecting Dynamic Load Sharing of Planetary Gearboxes. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 881-887.	1.1	18
9	Improved analytical model for calculating mesh stiffness and transmission error of helical gears considering trochoidal root profile. <i>Mechanism and Machine Theory</i> , 2021, 163, 104386.	2.7	17
10	Influence of the Carrier Pinhole Position Errors on the Load Sharing of a Planetary Gear Train. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 537-543.	1.1	16
11	Engine Speed Control System for Improving the Fuel Efficiency of Agricultural Tractors for Plowing Operations. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3898.	1.3	10
12	Application of flexible pin for planetary gear set of wind turbine gearbox. <i>Scientific Reports</i> , 2022, 12, 1713.	1.6	10
13	Dynamic Stiffness Effect of Mechanical Components on Gear Mesh Misalignment. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 844.	1.3	9
14	Experimental Study on the Dynamic Characteristics of Hydro-Pneumatic Semi-Active Suspensions for Agricultural Tractor Cabins. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8992.	1.3	9
15	Analytical study of floating effects on load sharing characteristics of planetary gearbox for off-road vehicle. <i>Advances in Mechanical Engineering</i> , 2020, 12, 168781402094046.	0.8	7
16	Development and Performance Evaluation of a Bevameter for Measuring Soil Strength. <i>Sensors</i> , 2021, 21, 1541.	2.1	7
17	Experimental Analysis of Noise Characteristics of Electric Agricultural Utility Terrain Vehicle Gearbox. <i>Journal of Biosystems Engineering</i> , 2020, 45, 432-439.	1.2	7
18	Fatigue life prediction of planet carrier in slewing reducer for tower crane based on model validation and field test. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017, 18, 435-444.	1.1	6

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19	Structural Design of Garlic Plants Footplate Considering Physical Characteristics of Elderly Women. Journal of Biosystems Engineering, 2020, 45, 16-23.	1.2	6
20	Characteristic Analysis of Planetary Gear Set of Hydromechanical Transmission System of Agricultural Tractors. Journal of Biosystems Engineering, 2016, 41, 145-152.	1.2	6
21	Development of a rotary clap mechanism for positive-displacement rotary pumps: Pump performance analysis. International Journal of Precision Engineering and Manufacturing, 2017, 18, 575-585.	1.1	5
22	Evaluation of Tractor Ride Vibrations by Cab Suspension System. Transactions of the ASABE, 2020, 63, 1465-1476.	1.1	5
23	Optimization of the Housing Shape Design for Radiated Noise Reduction of an Agricultural Electric Vehicle Gearbox. Applied Sciences (Switzerland), 2020, 10, 8414.	1.3	5
24	Dynamic behavior of an agricultural power take-off driveline for rattle noise reduction: Part 1. Effect of spline tolerance on the power take-off rattle noise. Journal of Terramechanics, 2021, 98, 7-14.	1.4	4
25	Influence of Flexible Pin for Planets on Service Life of Wind Turbine Gearboxes. Transactions of the Korean Society of Mechanical Engineers, A, 2012, 36, 953-960.	0.1	4
26	Development of a rotary clap mechanism for positive-displacement rotary pumps: Experimental verification and optimization. International Journal of Precision Engineering and Manufacturing, 2017, 18, 587-597.	1.1	3
27	Design of a Mechanical Power Circulation Test Rig for a Wind Turbine Gearbox. Applied Sciences (Switzerland), 2020, 10, 3240.	1.3	3
28	Dynamic behavior of an agricultural power take-off driveline for rattle noise reduction: Part 2. Experimental analysis of rattle noise effect according to spline tolerance level. Journal of Terramechanics, 2022, 101, 33-42.	1.4	3
29	Stability assist wheel control of multi-axle all-terrain crane using RLS algorithms with forgetting. Journal of Mechanical Science and Technology, 2017, 31, 4435-4446.	0.7	2
30	Rib Design for Improving the Local Stiffness of Gearbox Housing for Agricultural Electric Vehicles. Applied Sciences (Switzerland), 2019, 9, 4571.	1.3	2
31	A Study on the Load Sharing among Planet Gears according to the Phase of Carrier Pinhole Position Error in the Planetary Gearbox. Journal of the Korean Society for Precision Engineering, 2017, 34, 377-382.	0.1	2
32	Experimental analysis of mechanical properties of coastal terrain via bevameter tests. Journal of Terramechanics, 2022, 100, 39-50.	1.4	2
33	Failure Life Prediction of Hub Bearing in Composite Tooling. Applied Sciences (Switzerland), 2020, 10, 4707.	1.3	1
34	Design of a Torque Application Device in Test Rig for a Wind Turbine Gearbox. Transactions of the Korean Society of Mechanical Engineers, A, 2015, 39, 507-515.	0.1	1
35	Influence of Housing Stiffness of the Slewing Reducer of a Tower Crane on the Load Distribution Pattern over the Gear Tooth Flank. International Journal of Precision Engineering and Manufacturing, 2019, 20, 2171-2181.	1.1	0