# Daeeun Kim

List of Publications by Year
in descending order

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|---|---|---|---|
| 43 papers | 1,575 citations | 566801<br>15 h-index | 377514<br>34 g-index |
| 48 all docs | 48 docs citations | 48 times ranked | 2457 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | Ag Nanowire Reinforced Highly Stretchable Conductive Fibers for Wearable Electronics. Advanced Functional Materials, 2015, 25, 3114-3121. | 7.8 | 493 |
| 2 | Highly Sensitive Pressure Sensor Based on Bioinspired Porous Structure for Real–Time Tactile Sensing. Advanced Electronic Materials, 2016, 2, 1600356. | 2.6 | 264 |
| 3 | Highly Sensitive Multifilament Fiber Strain Sensors with Ultrabroad Sensing Range for Textile Electronics. ACS Nano, 2018, 12, 4259-4268. | 7.3 | 207 |
| 4 | Rough–Surface–Enabled Capacitive Pressure Sensors with 3D Touch Capability. Small, 2017, 13, 1700368. | 5.2 | 142 |
| 5 | Biomimetic whiskers for shape recognition. Robotics and Autonomous Systems, 2007, 55, 229-243. | 3.0 | 92 |
| 6 | Autonomous Shepherding Behaviors of Multiple Target Steering Robots. Sensors, 2017, 17, 2729. | 2.1 | 52 |
| 7 | Remaining Useful Life Prognosis for Turbofan Engine Using Explainable Deep Neural Networks with Dimensionality Reduction. Sensors, 2020, 20, 6626. | 2.1 | 29 |
| 8 | Electrolocation based on tail-bending movements in weakly electric fish. Journal of Experimental Biology, 2011, 214, 2443-2450. | 0.8 | 25 |
| 9 | Image-based homing navigation with landmark arrangement matching. Information Sciences, 2011, 181, 3427-3442. | 4.0 | 22 |
| 10 | Adaptive approach to regulate task distribution in swarm robotic systems. Swarm and Evolutionary Computation, 2019, 44, 1108-1118. | 4.5 | 22 |
| 11 | Individual Biometric Identification Using Multi-Cycle Electrocardiographic Waveform Patterns. Sensors, 2018, 18, 1005. | 2.1 | 20 |
| 12 | Task Allocation Into a Foraging Task With a Series of Subtasks in Swarm Robotic System. IEEE Access, 2020, 8, 107549-107561. | 2.6 | 17 |
| 13 | Wireless communications in networked robotics [Guest editorial. IEEE Wireless Communications, 2009, 16, 4-5. | 6.6 | 16 |
| 14 | Analyzing the effect of landmark vectors in homing navigation. Adaptive Behavior, 2012, 20, 337-359. | 1.1 | 16 |
| 15 | Neural Network Mechanism for the Orientation Behavior of Sand Scorpions Towards Prey. IEEE Transactions on Neural Networks, 2006, 17, 1070-1076. | 4.8 | 15 |
| 16 | Visual Homing Navigation With Haar-Like Features in the Snapshot. IEEE Access, 2018, 6, 33666-33681. | 2.6 | 15 |
| 17 | Evolving internal memory for T-maze tasks in noisy environments. Connection Science, 2004, 16, 183-210. | 1.8 | 13 |
| 18 | History-Based Response Threshold Model for Division of Labor in Multi-Agent Systems. Sensors, 2017, 17, 1232. | 2.1 | 13 |

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|---|---------|-----|-----------|
| 19 | Landmark-Based Homing Navigation Using Omnidirectional Depth Information. Sensors, 2017, 17, 1928. | 2.1 | 11 |
| 20 | Path Integration Mechanism with Coarse Coding of Neurons. Neural Processing Letters, 2011, 34, 277-291. | 2.0 | 10 |
| 21 | Moving Object Tracking Based on Sparse Optical Flow with Moving Window and Target Estimator. Sensors, 2022, 22, 2878. | 2.1 | 7 |
| 22 | Radial Distance Estimation with Tapered Whisker Sensors. Sensors, 2017, 17, 1659. | 2.1 | 6 |
| 23 | Attitude control of quadrotor with on-board visual feature projection system. , 2013, , . | | 4 |
| 24 | Handling interference effects on foraging with bucket brigades. Bioinspiration and Biomimetics, 2017, 12, 066001. | 1.5 | 4 |
| 25 | Burrow-centric distance-estimation methods inspired by surveillance behavior of fiddler crabs. Adaptive Behavior, 2012, 20, 273-286. | 1.1 | 3 |
| 26 | Dynamic Task Allocation Using a Pheromone-Based Approach in Factory Domain Applications. , 2015, , . | | 3 |
| 27 | Local Homing Navigation Based on the Moment Model for Landmark Distribution and Features. Sensors, 2017, 17, 2658. | 2.1 | 3 |
| 28 | Special Features on Intelligent Imaging and Analysis. Applied Sciences (Switzerland), 2019, 9, 4804. | 1.3 | 2 |
| 29 | Distance estimation method with snapshot landmark images in the robotic homing navigation. , 2010, , . | | 1 |
| 30 | Pressure Sensors: Highly Sensitive Pressure Sensor Based on Bioinspired Porous Structure for Real-Time Tactile Sensing (Adv. Electron. Mater. 12/2016). Advanced Electronic Materials, 2016, 2, . | 2.6 | 1 |
| 31 | High-Order Moment Models of Landmark Distribution for Local Homing Navigation. IEEE Access, 2018, 6, 72137-72151. | 2.6 | 1 |
| 32 | A Landmark Vector Approach Using Gray-Colored Information. Lecture Notes in Computer Science, 2016, , 138-144. | 1.0 | 1 |
| 33 | Ultrasound echolocation with frequency-modulated signals in cluttered background. , 2010, , . | | 0 |
| 34 | Evolutionary multiobjective optimization for memory-encoding controllers in the artificial ant problem. , 2011, , . | | 0 |
| 35 | A bio-inspired system to detect string vibration (ICCAS 2013). , 2013, , . | | 0 |
| 36 | Spike response threshold model for task allocation in multi-agent systems. , 2017, , . | | 0 |

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|---|---------|-----|-----------|
| 37 | Jamming Avoidance Response Inspired by Wave-type Weakly Electric Fish. Journal of Bionic Engineering, 2018, 15, 982-991. | 2.7 | 0 |
| 38 | Detecting a Sphere Object with an Array of Magnetic Sensors. Lecture Notes in Computer Science, 2018, , 126-135. | 1.0 | 0 |
| 39 | Dynamic scheduling using a pheromone-based approach in multi-agent systems. Applied Soft Computing Journal, 2019, 85, 105875. | 4.1 | 0 |
| 40 | Special Feature on Advanced Mobile Robotics. Applied Sciences (Switzerland), 2019, 9, 4686. | 1.3 | 0 |
| 41 | Modeling Jamming Avoidance Response of Pulse-type Weakly Electric Fish. Journal of Institute of Control, Robotics and Systems, 2015, 21, 924-929. | 0.1 | 0 |
| 42 | Condition Monitoring with Time Series Data Based on Probabilistic Model. , 2021, , . | | 0 |
| 43 | Data Trimming Methods to Improve Gesture Classification. , 2021, , . | | 0 |