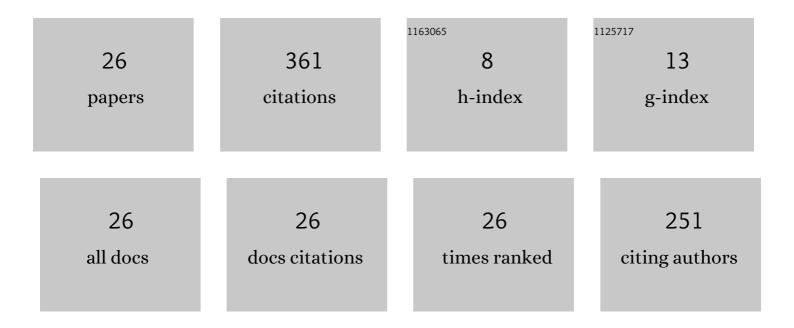
Kaushik Halder

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------------------------------------|------------|
| 1 | LQR based improved discrete PID controller design via optimum selection of weighting matrices using fractional order integral performance index. Applied Mathematical Modelling, 2013, 37, 4253-4268. | 4.2 | 107 |
| 2 | A Taxonomy and Survey of Edge Cloud Computing for Intelligent Transportation Systems and Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6206-6221. | 8.0 | 72 |
| 3 | Stability of Networked Control System (NCS) with discrete time-driven PID controllers. Control Engineering Practice, 2015, 42, 41-49. | 5.5 | 25 |
| 4 | Delay Handling Method in Dominant Pole Placement Based PID Controller Design. IEEE Transactions on Industrial Informatics, 2020, 16, 980-991. | 11.3 | 22 |
| 5 | Performance analysis of robust stable PID controllers using dominant pole placement for SOPTD process models. Knowledge-Based Systems, 2018, 146, 12-43. | 7.1 | 19 |
| 6 | Controller design for Networked Control Systemsâ€"An approach based on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si8.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mn>2induced norm. Nonlinear Analysis: Hybrid Systems, 2016, 19, 134-145.</mml:mn></mml:mrow></mml:msub></mml:math | män5 <td>l:mrow > </td> | l:mrow > |
| 7 | An Interval Approach for Robust Control of a Large PHWR with PID Controllers. IEEE Transactions on Nuclear Science, 2015, 62, 281-292. | 2.0 | 17 |
| 8 | Distributed <i>H</i> â^ž Controller Design and Robustness Analysis for Vehicle Platooning Under Random Packet Drop. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4373-4386. | 8.0 | 14 |
| 9 | Optimum weight selection based LQR formulation for the design of fractional order Pl ^λ D ^μ controllers to handle a class of fractional order systems. , 2013, , . | | 10 |
| 10 | Time delay handling in dominant pole placement with PID controllers to obtain stability regions using random sampling. International Journal of Control, 2020, , 1-22. | 1.9 | 8 |
| 11 | Impact of fractional order integral performance indices in LQR based PID controller design via optimum selection of weighting matrices. , 2012, , . | | 7 |
| 12 | Transformation of LQR Weights for Discretization Invariant Performance of PI/PID Dominant Pole Placement Controllers. Robotica, 2020, 38, 271-298. | 1.9 | 7 |
| 13 | Optimal controller design for inverted pendulum system based on LQR method. , 2012, , . | | 6 |
| 14 | Inverse optimal control formulation for guaranteed dominant pole placement with PI/PID controllers. , 2012, , . | | 6 |
| 15 | Stability and Performance Analysis of Networked Control Systems: A Lifted Sample-Time Approach with <mml:math <br="" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML">id="d1e1305" altimg="si3.gif"><mml:msub><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mn>2<td>5.7 in><td>6 mrow></td></td></mml:mn></mml:mrow></mml:msub></mml:math> | 5.7 in> <td>6 mrow></td> | 6 mrow> |
| 16 | Autonomous Collision Avoidance Using MPC with LQR-Based Weight Transformation. Sensors, 2021, 21, 4296. | 3.8 | 6 |
| 17 | Distributed Controller Design for Vehicle Platooning under Packet Drop Scenario. , 2020, , . | | 4 |

Kalman filter based optimal control approach for attitude control of a missile. , 2013, , .

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Missile attitude control via a hybrid LQG-LTR-LQI control scheme with optimum weight selection. , 2014, , . | | 2 |
| 20 | Stability analysis of delayed system using Bode integral. , 2013, , . | | 1 |
| 21 | Impact of weighting matrices in the design of discrete optimal controller based on LQR technique for non-linear system. , 2013, , . | | 1 |
| 22 | QoS aware joint observer and networked PI/PID controller design using LMIs under specified rate of packet dropouts. Applied Mathematics and Computation, 2021, 401, 126125. | 2.2 | 1 |
| 23 | Controller design of a NCS with guaranteed exponential stability- a trace minimization approach. , 2015, , . | | 0 |
| 24 | Stability anlysis and controller synthesis of networked control system (NCS) with arbitrary packet drop-outs. , 2015, , . | | 0 |
| 25 | L ₂ induced norm based pole placement controller for networked control system. , 2017, , . | | 0 |
| 26 | Design and Real Time Software-in-the-Loop Simulation of Robust-Optimal Speed Controller for Vector Controlled Induction Machine. , 2017, , . | | 0 |