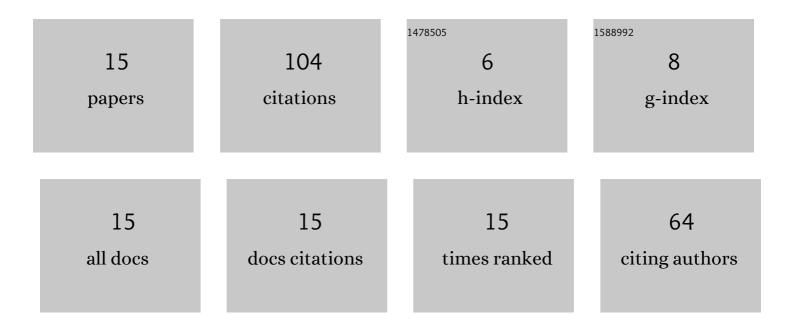
## Ramakalyan Ayyagari

List of Publications by Year in descending order

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| #  | Article                                                                                                                                                                                                   | IF   | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Optimal Coordination of Platoons of Connected and Automated Vehicles at Signal-Free Intersections.<br>IEEE Transactions on Intelligent Vehicles, 2022, 7, 186-197.                                        | 12.7 | 31        |
| 2  | Investigative design of missile longitudinal dynamics using LQR-LQG controller in presence of measurement noise and inaccurate model. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, 1. | 1.3  | 0         |
| 3  | A graph-theoretic approach for optimizing signalized intersections under connected vehicle environment. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.                               | 1.3  | 1         |
| 4  | Missile Longitudinal Dynamics Control Design Using Pole Placement and LQR Methods. Defence<br>Science Journal, 2021, 71, 699-708.                                                                         | 0.8  | 3         |
| 5  | An Alternative Design for the Traditional Lag-Lead Compensator. IEEE Potentials, 2021, 40, 43-48.                                                                                                         | 0.3  | 0         |
| 6  | A Decentralized Signal Control for Non-Lane-Based Heterogeneous Traffic Under V2I Communication.<br>IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1741-1750.                         | 8.0  | 7         |
| 7  | Design of Optimal Phase Plan for Urban Signalized Intersections Accommodating Safe Pedestrian<br>Crosswalks. , 2018, , .                                                                                  |      | 0         |
| 8  | MILP based autonomous vehicle path-planning controller for unknown environments with dynamic obstacles. International Journal of Heavy Vehicle Systems, 2016, 23, 350.                                    | 0.2  | 10        |
| 9  | Interval Fuzzy Type-II Controller for the Level Control of a Three Tank System. IFAC-PapersOnLine, 2016, 49, 561-566.                                                                                     | 0.9  | 7         |
| 10 | The benefits of randomness in systems and control. , 2014, , .                                                                                                                                            |      | 0         |
| 11 | Advanced driver assistance system for AHS over communication links with random packet dropouts.<br>Mechanical Systems and Signal Processing, 2014, 49, 53-62.                                             | 8.0  | 12        |
| 12 | Improved neural-aided sliding mode controller for autolanding under actuator failures and severe winds. Aerospace Science and Technology, 2014, 33, 55-64.                                                | 4.8  | 16        |
| 13 | Improved autolanding controller for aircraft encountering unknown actuator failures. , 2013, , .                                                                                                          |      | 4         |
| 14 | Design of a nonlinear dynamic inversion controller for trajectory following and maneuvering for fixed wing aircraft. , 2013, , .                                                                          |      | 9         |
| 15 | Ciphers based on special graphs. , 2013, , .                                                                                                                                                              |      | 4         |