

# Sei Zhen Khong

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Second Order Primal-Dual Method for Nonsmooth Convex Composite Optimization. IEEE Transactions on Automatic Control, 2022, 67, 4061-4076.	3.6	5
2	On Integral Quadratic Constraints. IEEE Transactions on Automatic Control, 2022, 67, 1603-1608.	3.6	5
3	Addendum to "Converse Theorems for Integral Quadratic Constraints". IEEE Transactions on Automatic Control, 2022, 67, 539-540.	3.6	3
4	System Monotonicity and Subspace Tracking: A Geometric Perspective of the Frisch-Shapiro Scheme. IEEE Transactions on Automatic Control, 2022, 67, 5872-5884.	3.6	2
5	Low Phase-Rank Approximation. Linear Algebra and Its Applications, 2022, 639, 177-204.	0.4	4
6	On Spectral Properties of Signed Laplacians With Connections to Eventual Positivity. IEEE Transactions on Automatic Control, 2021, 66, 2177-2190.	3.6	11
7	Stabilization of cascaded two-port networked systems with simultaneous nonlinear uncertainties. Automatica, 2021, 123, 109360.	3.0	0
8	Converse Theorems for Integral Quadratic Constraints. IEEE Transactions on Automatic Control, 2021, 66, 3695-3701.	3.6	8
9	On the necessity and sufficiency of the Zames-Falb multipliers for bounded operators. Automatica, 2021, 131, 109787.	3.0	3
10	On the phases of a complex matrix. Linear Algebra and Its Applications, 2020, 593, 152-179.	0.4	23
11	On the Converse Passivity Theorems for LTI Systems. IFAC-PapersOnLine, 2020, 53, 6422-6427.	0.5	2
12	The Proximal Augmented Lagrangian Method for Nonsmooth Composite Optimization. IEEE Transactions on Automatic Control, 2019, 64, 2861-2868.	3.6	74
13	Robust Synchronization in Multi-Agent Networks With Unstable Dynamics. IEEE Transactions on Control of Network Systems, 2018, 5, 205-214.	2.4	4
14	Robust Stability of Positive Monotone Feedback Interconnections. IEEE Transactions on Automatic Control, 2018, , 1-1.	3.6	2
15	On the converse of the passivity and small-gain theorems for input-output maps. Automatica, 2018, 97, 58-63.	3.0	9
16	Stabilization of cascaded two-port networked systems against nonlinear perturbations. , 2017, , .		2
17	A dynamical network framework with application to stability of power networks. , 2017, , .		1
18	Supervisory observer for parameter and state estimation of nonlinear systems using the DIRECT algorithm. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	Optimal control design for a repairable multi-state system. , 2017, , .		5
20	On the definiteness of graph Laplacians with negative weights: Geometrical and passivity-based approaches. , 2016, , .		24
21	Diagonal Lyapunov functions for positive linear time-varying systems. , 2016, , .		12
22	A Unifying Framework for Robust Synchronization of Heterogeneous Networks via Integral Quadratic Constraints. IEEE Transactions on Automatic Control, 2016, 61, 1297-1309.	3.6	36
23	A gap metric perspective of well-posedness for nonlinear feedback interconnections. , 2013, , .		2
24	Robust Stability Analysis for Feedback Interconnections of Time-Varying Linear Systems. SIAM Journal on Control and Optimization, 2013, 51, 353-379.	1.1	33
25	Reconciling $\mathcal{G}$ -Gap Metric and IQC Based Robust Stability Analysis. IEEE Transactions on Automatic Control, 2013, 58, 2090-2095.	3.6	10
26	On sampled-data extremum seeking control via stochastic approximation methods. , 2013, , .		0
27	Time-varying generalisations of the gap and $\hat{\gamma}^{1/2}$ -gap metrics induce the same topology in continuous time. , 2013, , .		0
28	On the metric property of an LTV generalisation of the $\mathcal{G}$ -gap. , 2012, , .		2