

CITATION REPORT

List of articles citing

Observing the state of non-linear dynamic systems+
+Communicated by the Author. This work was
supported by the National Institutes of Health under
Grant PHS 5S05-RR07132-02

DOI: 10.1080/00207177308932395

International Journal of Control, 1973, 17, 471-479.

Source: <https://exaly.com/paper-pdf/11310634/citation-report.pdf>

Version: 2024-04-29

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
605	Stabilization of a class of non-linear systems with incomplete state information□ <i>International Journal of Control</i> , 1974 , 19, 143-148	1.5	5
604	Adaptive Control of Nonlinear Flexible Spacecraft. 1975 , 8, 256-263		1
603	Exponential observers for nonlinear dynamic systems. 1975 , 29, 204-216		205
602	Observability in non-linear systems with immeasurable inputs. 1975 , 6, 723-732		5
601	Second-order observer for nonlinear systems from discrete noiseless measurements. 1977 , 22, 105-112		9
600	Decoupling Control of Nonlinear Coupled Core Reactor. 1977 , 14, 859-868		5
599	Nichtlineare Beobachter /Nonlinear observers. 1979 , 27, 241-249		3
598	Reconstruction of Unmeasured Quantities for Nonlinear Dynamic Processes. 1979 , 18, 327-333		14
597	Existence of limit cycle and stabilization of induction motor via new nonlinear state observer. 1979 , 24, 421-428		17
596	Estimation of States in a Polymerization Reactor. 1980 , 13, 369-376		4
595	Estimation of states in a polymerization reactor. 1980 , 13, 369-376		1
594	On Stabilization of Classes of Nonlinear Systems with State Observers. 1981 , 14, 67-71		
593	Canonical form observer design for non-linear time-variable systems. <i>International Journal of Control</i> , 1983 , 38, 419-431	1.5	436
592	Microprocessors in Signal Processing, Measurement and Control. 1983 ,		4
591	An inverse problem of optimum nonlinear state reconstruction for integral performance criteria. 1985 ,		
590	On nonlinear observers. 1985 , 30, 1254-1256		38
589	Accommodation for disturbances having nonlinear models and acting on nonlinear systems. 1986 , 33, 342-343		1

588	Observing non-linear time-variable systems through a canonical form observer. <i>International Journal of Control</i> , 1986 , 44, 1703-1713	1.5	27
587	Observing the state of a synchronous generator Part 1. Theory. <i>International Journal of Control</i> , 1987 , 45, 987-1000	1.5	20
586	State observation of nonlinear uncertain dynamical systems. 1987 , 32, 166-170		299
585	Comparative study of non-linear state-observation techniques. <i>International Journal of Control</i> , 1987 , 45, 2109-2132	1.5	231
584	The extended Luenberger observer for nonlinear systems. 1987 , 9, 149-156		263
583	. 1988 , 18, 88-104		144
582	On exponential observers for nonlinear systems. 1988 , 11, 319-325		74
581	Extended Luenberger observer for non-linear multivariable systems. <i>International Journal of Control</i> , 1988 , 47, 1823-1836	1.5	132
580	Stability of non-linear observers for dissipative ODEs. <i>International Journal of Control</i> , 1989 , 50, 1235-1247		7
579	State observation and variable structure control of rotational maneuvers of a flexible spacecraft. 1989 , 19, 657-667		6
578	On the stabilization and observation of nonlinear/uncertain dynamic systems. 1989 ,		
577	Adaptive robust observers for non-linear uncertain systems. 1990 , 21, 803-814		18
576	Comments on State observers and state-feedback controllers for a class of non-linear systems□ <i>International Journal of Control</i> , 1990 , 51, 953-957	1.5	1
575	. 1990 , 37, 133-142		121
574	State estimation for non-linear uncertain systems: a design based on properties related to the uncertainty bound. <i>International Journal of Control</i> , 1990 , 52, 1131-1146	1.5	9
573	. 1990 , 35, 604-607		75
572	A nonlinear approach to the aircraft tracking problem. 1991 ,		1
571	On state observers for nonlinear systems. 1991 , 17, 465-473		19

570	.		
569	.		
568	.		1
567	Moving Horizon Observers. 1992 , 25, 185-190		8
566	Exponential Observer Design. 1992 , 25, 215-218		2
565	Rule-Based Selection of Nonlinear Observer Design Methods. 1992 , 25, 231-238		3
564	Failure Detection Diagnostics for Thermofluid Systems. 1992 , 114, 699-706		12
563	.		0
562	An observer for a nonlinear descriptor system.		12
561	Nonlinear systems: Construction of observers and output differentiators. 1992 , 3, 353-362		
560	A neural observer for dynamic systems. 1992 , 152, 227-243		6
559	On the state observation and output feedback problems for nonlinear uncertain dynamic systems. 1992 , 18, 217-222		72
558	Sliding mode observers for nonlinear models with unbounded noise and measurement uncertainties. 1993 , 3, 217-235		20
557	. 1993 ,		4
556	A new algorithm for approximating the state of nonlinear systems. 1993 , 24, 777-788		4
555	Variable structure observer with a boundary-layer for correlated noise/disturbance models and disturbance minimization. <i>International Journal of Control</i> , 1993 , 57, 1191-1206	1.5	30
554	Exponential state observer for a class of distributed parameter systems via generalized orthogonal polynomials.		
553	Nonlinear Modeling and Observer Design for Thermofluid System Diagnostics. 1993 , 13, 39-45		

552	Design Theory of Nonlinear Reduced-order Observers for Power Systems. 1993 , 26, 89-92		
551	Adaptive Observer-Estimator Design for a Class of Nonlinear Systems. 1993 , 26, 77-80		
550	Robust/adaptive observers for systems having uncertain functions with unknown bounds.		6
549	Robust observer synthesis for nonlinear large-scale systems. 1994 , 25, 1053-1066		3
548	Observer Design for Electronic Suspension Applications*. 1994 , 23, 413-440		41
547	Nonlinear approach to aircraft tracking problem. 1994 , 17, 1124-1130		12
546	Asymptotic observers for a class of nonlinear singular systems.		4
545	State observation by on-line minimization. <i>International Journal of Control</i> , 1994 , 60, 595-606	1.5	55
544	Observer design for a class of nonlinear systems. <i>International Journal of Control</i> , 1994 , 59, 515-528	1.5	315
543	.		3
542	.		
541	Design of Finite-Dimensional Observer-Based Fault Diagnosis for a Class of Distributed Parameter Systems. 1994 , 27, 41-45		
540	. 1995 , 31, 973-980		52
539	Sliding mode state observers for linear multivariable systems.		4
538	Observers design for nonlinear descriptor systems.		19
537	. 1995 , 40, 995-1006		225
536	Comparison of the sliding observer to several state estimators using a rotational inverted pendulum.		3
535	Nonlinear robust adaptive observers.		1

534	Observability of smooth control systems. 1996 , 78, 433-496		2
533	Sliding observer-based feedback control for flexible joints manipulator. 1996 , 32, 1243-1254		30
532	On uniform observation of nonuniformly observable systems. 1996 , 29, 9-19		36
531	Observer design for discrete nonlinear descriptor systems. 1996 , 27, 1033-1041		2
530	A fuzzy controller for a tentacle manipulator.		
529	Analysis and observer design in synchronization via a state feedback control method. 1997 , 56, 5265-5271		7
528	On nonlinear observers with approximately linear error dynamics. 1997 ,		14
527	Fault Detection Observers for a Class of Continuous Bilinear Descriptor Systems. 1997 , 30, 759-764		
526	Deterministic nonlinear observer-based approaches to fault diagnosis: A survey. 1997 , 5, 663-670		318
525	A state observer for nonlinear dynamical systems. 1997 , 30, 4485-4496		26
524	On nonlinear detectability. 1998 , 335, 1105-1123		4
523	Lie Derivatives and Dynamical Systems. 1998 , 9, 1359-1366		20
522	Model error compensation for observer design. <i>International Journal of Control</i> , 1998 , 69, 329-345	1,5	13
521	Observers for Lipschitz nonlinear systems. 1998 , 43, 397-401		538
520	Sliding mode controller-observer design for SISO linear systems. 1998 , 29, 1363-1373		25
519	Adaptive flux observer for induction motors. 1998 ,		
518	Determination of the Mass Transport in the Polycondensation of Polyethyleneterephthalate by Nonlinear Estimation Techniques. 1998 , 31, 657-662		
517	Fault tolerant ship propulsion control: Sensor fault detection using a nonlinear observer. 1999 ,		1

516 Observation of Hamiltonian mechanical systems.

515 Comparative study of several nonlinear stochastic estimators.

1

514 Observation of Hamiltonian mechanical systems.

513 Online fault detection and isolation of nonlinear systems. **1999**,

4

512 Advances in Control. **1999**,

4

511 Nonlinear observers: a circle criterion design.

26

510 Towards a systematic analysis of fuzzy observers.

12

509 Constructive dynamic output feedback stabilization of a class of nonlinear systems.

508 Nonlinear observers for fault detection and isolation. **1999**, 399-422

16

507 Nonlinear Adaptive Observer Based Component Fault Diagnosis of Nonlinear Systems in Closed-Loops. **1999**, 32, 7706-7711

1

506 Genetic Programming Based Observers for Nonlinear Systems. **2000**, 33, 945-950

2

505 Global output tracking control of a class of Euler-Lagrange systems.

15

504 Non-linear adaptive sliding mode observer/controller scheme for induction motors. **2000**, 14, 245-273

17

503 A reduced-order observer for non-linear discrete-time systems. **2000**, 39, 141-151

28

502 Fluid power systems: some research issues. **2000**, 214, 203-220

4

501 A variable structure adaptive observer approach for actuator fault detection and diagnosis in uncertain nonlinear systems. **2000**,

8

500 Robust output-feedback design using a new class of nonlinear observers.

4

499 On estimators for nonlinear systems in L^p spaces.

498	A general approach to non-linear output observer design using neural network models. 2000,	4
497	Sliding-Mode Adaptive Observer Approach to Chaotic Synchronization. 2000, 122, 758-765	72
496	State detection and stability for uncertain dynamical systems. 2001, 453-465	
495	A nonlinear wind velocity observer for a small wind energy system.	
494	Thau-Luenberger observers for TS fuzzy systems.	22
493	Design of state observers from a drift-observability property. 2000, 45, 1536-1540	46
492	Integral filters from a new viewpoint and their application in nonlinear control design.	1
491	Constructive nonlinear control: a historical perspective. 2001, 37, 637-662	128
490	Fuzzy observers.	22
489	Symbolic dynamics for processing chaotic signals. I. Noise reduction of chaotic sequences. 2001, 48, 1269-1282	27
488	Chaos synchronization via sliding modes. 2001,	
487	Full and reduced-order-robust adaptive observers for chaotic synchronization. 2001,	3
486	Stable Approximate Estimators for a Class of Nonlinear Systems. 2001, 34, 507-512	
485	Constructive nonlinear control: a historical perspective. 2001, 37, 637-662	450
484	Nonlinear observers: a circle criterion design and robustness analysis. 2001, 37, 1923-1930	311
483	Global Convergence of a Control System by Means of an Observer. 2001, 108, 377-388	7
482	Leakage location in pipelines by minimal order nonlinear observer. 2001,	4
481	A linear differential inequality approach to nonlinear observer design for chaotic synchronization. 2001,	

480	Global output tracking control of a class of Euler-Lagrange systems with monotonic non-linearities in the velocities. <i>International Journal of Control</i> , 2001 , 74, 649-658	1.5	40
479	Zustandsschätzung auf bewegtem Horizont - ein simultaner Ansatz (Moving Horizon State Estimation - a Simultaneous Approach). 2001 , 49, 124		
478	Sliding mode observers for a class of nonlinear systems. 2002 ,		5
477	Observer design tools for nonlinear flight regimes. 2002 ,		
476	Variable structure observer design in matrix second-order formulation for linear & nonlinear vibrating systems using velocity measurements.		
475	Nonlinear observer performance in chaotic synchronization with application to secure communication.		8
474	SEPARATION PRINCIPLE FOR A CLASS OF NONLINEAR SYSTEMS. 2002 , 35, 447-452		6
473	A note on observers for Lipschitz nonlinear systems. 2002 , 47, 1751-1754		166
472	. 2002 ,		30
471	On designing observers for time-delay systems with non-linear disturbances. <i>International Journal of Control</i> , 2002 , 75, 803-811	1.5	70
470	Observers for Lipschitz non-linear systems. <i>International Journal of Control</i> , 2002 , 75, 204-212	1.5	70
469	Observers for Takagi-Sugeno fuzzy systems. 2002 , 32, 114-21		170
468	Adaptive nonlinear observers of microbial growth processes. 2002 , 12, 633-643		15
467	Local observer design for nonlinear systems. 2002 , 35, 25-36		42
466	Observer design for discrete-time nonlinear systems. 2002 , 35, 37-44		16
465	Nonlinear observer design for discrete-time bifurcating systems. 2002 , 36, 211-215		4
464	A relation between the output regulation and the observer design for nonlinear systems. 2003 , 16, 235-242		1
463	Exponential observer design for discrete-time nonlinear systems with real parametric uncertainty. 2003 , 37, 191-204		10

462	Observer design for systems with multivariable monotone nonlinearities. 2003 , 50, 319-330	158
461	Integral observers for uncertainty estimation in continuous chemical reactors: algebraic-differential approach. 2003 , 93, 113-120	13
460	Nonlinear observers for locally uniformly observable systems. 2003 , 9, 353-370	55
459	Online exact differentiation and notion of asymptotic algebraic observers. 2003 , 48, 2055-2060	46
458	Locally Convergent Nonlinear Observers. 2003 , 42, 155-177	52
457	Observer-based dynamic surface control for Lipschitz nonlinear systems.	1
456	Model-based supervision of valves in a flotation process.	2
455	Development of a Robust Nonlinear Observer for a Single-Link Flexible Manipulator. 2004 , 851	0
454	Minimal Order Nonlinear Observer for Leak Detection. 2004 , 126, 467-472	31
453	New results on general observers for nonlinear systems. 2004 , 17, 1421-1426	4
452	Discrete-time nonlinear observer design with general criteria. 2004 ,	
451	Sliding mode state observation for non-linear systems. <i>International Journal of Control</i> , 2004 , 77, 118-127.5	69
450	Observer design for nonlinear systems by using Input-to-State Stability. 2004 ,	20
449	Observer Design for Nonlinear Systems: A Dissipative Approach. 2004 , 37, 681-686	10
448	Nonlinear High-Gain Observer Design via Semidefinite Programming. 2004 , 37, 699-704	
447	Design of observers for lipschitz nonlinear systems using LMI. 2004 , 37, 459-464	20
446	DYNAMIC OBSERVERS FOR NONLINEAR LIPSCHITZ SYSTEMS. 2005 , 38, 25-30	2
445	RIEMANNIAN OBSERVERS FOR EULER-LAGRANGE SYSTEMS. 2005 , 38, 115-120	4

444	Nonlinear observer design for a general class of discrete-time nonlinear systems with real parametric uncertainty. 2005 , 49, 1177-1194	7
443	Nonlinear observer design for a general class of nonlinear systems with real parametric uncertainty. 2005 , 49, 1195-1211	9
442	Stabilization of Nonlinear Dynamic Systems Using the System State Estimates Made by the Asymptotic Observer. 2005 , 66, 1021-1058	19
441	Development of a Robust Nonlinear Observer for a Single-Link Flexible Manipulator. 2005 , 39, 217-233	12
440	Approximate Observer Error Linearization by Dissipativity Methods. 35-51	16
439	High Gain Observers for Non-Linear Systems Modelled by Bond Graphs. 2005 , 219, 477-498	2
438	Nonlinear observer design with general criteria.	7
437	H _∞ synthesis of unknown input observers for non-linear Lipschitz systems. <i>International Journal of Control</i> , 2005 , 78, 1155-1165	1.5 64
436	Observer Design for Lipschitz Nonlinear Systems with State Dependency and Nonlinearity Distribution.	1
435	A Robust Observer Design Method for Continuous-Time Lipschitz Nonlinear Systems. 2006 ,	18
434	LMI-based Lipschitz Observer Design with Application in Fault Diagnosis. 2006 ,	7
433	Partial-State Observers for Nonlinear Systems. 2006 , 51, 1808-1812	29
432	Simple Derivative-Free Nonlinear State Observer for Sensorless AC Drives. 2006 , 11, 634-643	52
431	H _∞ observer design for lipschitz nonlinear systems. 2006 , 51, 1211-1216	110
430	Robust PIP Tracking Control for NMSS Models with Additive Nonlinear Dynamics and Noises: Discrete Time Cases. 2006 ,	
429	On observer design for nonlinear systems. 2006 , 37, 1097-1109	13
428	Observer design for discrete-time systems subject to time-delay nonlinearities. 2006 , 37, 629-641	28
427	Global output feedback PID control for n-DOF Euler-Lagrange systems. 2006 ,	5

426	DESIGN OF OBSERVERS FOR LIPSCHITZ NONLINEAR DISCRETE-TIME SYSTEMS. 2006 , 39, 985-990	
425	AN LMI APPROACH TO DESIGNING OBSERVERS AND UNKNOWN INPUT OBSERVERS FOR NONLINEAR SYSTEMS. 2006 , 39, 198-203	
424	Reduced order observer design for discrete-time nonlinear systems. 2006 , 19, 1013-1018	10
423	Reduced order observer design for nonlinear systems. 2006 , 19, 936-941	21
422	Observer-based control design for three well-known chaotic systems. 2006 , 29, 381-392	42
421	A neuro-fuzzy multiple-model observer approach to robust fault diagnosis based on the DAMADICS benchmark problem. 2006 , 14, 699-717	37
420	Design of robust controllers and a nonlinear observer for the control of a single-link flexible robotic manipulator. 2006 , 291, 437-461	18
419	Design of bilinear observer for singular bilinear systems. 2006 , 4, 413-417	
418	A Separation Property of Dissipative Observers for Nonlinear Systems. 2006 ,	8
417	Dissipative Design of Observers for Multivalued Nonlinear Systems. 2006 ,	21
416	A UGAS observer for n-DOF Euler-Lagrange systems. 2006 ,	4
415	A New Model-Free Sliding Observer to Synchronization Problem. 2006 ,	
414	An RBFN-based observer for nonlinear systems via deterministic learning. 2006 ,	
413	Nonlinear Control of a MEMS Optical Switch. 2006 ,	5
412	Observer design for complex systems in the presence of uncertainties, nonlinearities and distributed delays. 2006 , 35, 295-311	
411	Design of Parameterized State Observers and Controllers for a Class of Nonlinear Continuous-Time Systems. 2006 ,	
410	An EKF-based observer for nonlinear time-delay systems. 2006 ,	15
409	Direct approximation of observer error linearization for nonlinear forced systems. 2006 , 24, 551-566	3

408	Circle-Criterion Observers and Their Feedback Applications: An Overview. 2006 , 3-14	3
407	On-line Monitoring in an Aerobic Batch Bioreactor Employing a Robust Soft Sensor. 2006 , 1,	
406	Steady States of Nonlinear Systems. 2007 ,	
405	Dissipative Proportional Integral Observer for a Class of Uncertain Nonlinear Systems. 2007 ,	3
404	Reinforcement learning state estimator. 2007 , 19, 730-56	5
403	A note on observer for one-sided Lipschitz non-linear systems. 2007 , 25, 297-303	51
402	GENERALIZED NONLINEAR MANEUVER REGULATION. 2007 , 40, 510-514	
401	H ∞ SMOOTHER FOR LIPSCHITZ NONLINEAR SYSTEMS. 2007 , 40, 834-839	
400	NONLINEAR OBSERVERS FOR TRACKING AND NAVIGATION OF MARINE SYSTEMS: DESIGN BASED ON MOTION LINEARIZATION. 2007 , 40, 163-168	
399	High-gain nonlinear observer design using the observer canonical form. 2007 , 1, 1574-1579	19
398	Robust observer with sliding mode estimation for nonlinear uncertain systems. 2007 , 1, 1533-1540	48
397	An LMI Approach to Designing Observers and Unknown Input Observers for Nonlinear Systems. 2007 , 198-203	1
396	Design of asymptotic estimators: an approach based on neural networks and nonlinear programming. 2007 , 18, 86-96	26
395	Modelling and Estimation Strategies for Fault Diagnosis of Non-Linear Systems. 2007 ,	2
394	A SEPARATION PRINCIPLE OF TIME-VARYING DYNAMICAL SYSTEMS: A PRACTICAL STABILITY APPROACH. 2007 , 12, 297-308	11
393	Non-linear Observer for the Estimation of CD8 Count Under HIV-1 Infection. 2007 ,	
392	Parameterization of Suboptimal Solutions of the Nehari Problem for Infinite-Dimensional Systems. 2007 , 52, 2369-2374	4
391	Observers with impulsive dynamical behavior for linear and nonlinear continuous-time systems. 2007 ,	31

390	Stochastically resilient design of H _∞ observers for discrete-time nonlinear systems. 2007,	
389	Robust Nonlinear Observer for Lipschitz Nonlinear Systems Subject to Disturbances. 2007, 52, 2365-2369	76
388	A sliding mode observer-based strategy for fault detection, isolation, and estimation in a class of Lipschitz nonlinear systems. 2007, 38, 943-955	53
387	Adaptive Robust Asymptotic State Observers for Uncertain Nonlinear Dynamical Systems. 2007, 127, 726-732	3
386	Model based estimation and optimal control of fed-batch fermentation processes for the production of antibiotics. 2007, 46, 1223-1241	25
385	Circle-criterion approach to discrete-time nonlinear observer design. 2007, 43, 1432-1441	56
384	Observer-based strategies for actuator fault detection, isolation and estimation for certain class of uncertain nonlinear systems. 2007, 1, 1672-1680	88
383	Nonlinear feedback controllers and compensators: a state-dependent Riccati equation approach. 2007, 37, 177-218	121
382	Discrete-time nonlinear observer design with general criteria. 2007, 344, 918-928	9
381	A new model-free sliding observer to synchronization problem. 2008, 36, 1141-1156	9
380	Semi-global finite-time observers for nonlinear systems. 2008, 44, 3152-3156	179
379	Trajectory tracking using MPC and a velocity observer for flat actuator systems in automotive applications. 2008,	3
378	Lyapunov-based design of resilient observers for a class of nonlinear systems and general performance criteria. 2008,	
377	Diseño disipativo de observadores para sistemas no lineales discontinuos o multivaluados. 2008, 5, 27-36	
376	Adaptive observer-based non-linear stochastic system control with sliding mode schemes. 2008, 222, 681-690	1
375	State Observer Design and Application for Lipschitz Nonlinear Systems. 2008,	0
374	A convex optimisation approach to robust observer-based H _∞ control design of linear parameter-varying delayed systems. 2008, 4, 226	5
373	Proportional-Integral Observer design for nonlinear systems. 2008,	4

372	Sliding Mode Functional Observers for Nonlinear Systems. 2008,	0
371	H _∞ observers for one-sided Lipschitz nonlinear systems. 2008,	
370	Observer design for bioprocesses using a dissipative approach. 2008, 41, 15559-15564	8
369	Stochastically Resilient Design of Mixed H ₂ -Dissipative Observers for Discrete-Time Nonlinear Systems. 2008, 41, 9840-9845	
368	Uniformly Observable and Globally Lipschitzian Nonlinear Systems Admit Semi-global Finite-time Observers. 2008, 41, 9846-9851	
367	Observer design for a class of Lipschitz time-delay systems. 2008, 4, 28	6
366	A new state observer and flight control of highly maneuverable aircraft. 2009,	5
365	State and sensor faults estimation via a proportional integral observer. 2009,	20
364	New delay-dependent conditions for H _∞ filtering of nonlinear systems with neutral-type time-delay. 2009,	
363	Differential stability and design of reduced order observers for nonlinear systems. 2009,	1
362	Nonlinear-Observer-Based \mathcal{H}_{∞} Synchronization and Unknown Input Recovery. 2009, 56, 1720-1731	24
361	LPV approach to continuous and discrete nonlinear observer design. 2009,	12
360	Reduced Order Observer Design for Nonlinear Systems with Control Applications. 2009,	1
359	State estimation of nonlinear systems using multiple model approach. 2009,	9
358	Discontinuous observers for non-linear time-delay systems. 2009, 40, 383-392	25
357	Observer design for nonlinear discrete-time systems: Immersion and dynamic observer error linearization techniques. 2009, 20, n/a-n/a	1
356	A unified adaptive observer synthesis method for a class of systems with both Lipschitz and monotone nonlinearities. 2009, 58, 282-288	57
355	Reduced-order observer design for one-sided Lipschitz non-linear systems. 2009, 26, 299-317	57

354	Observer design for inherently nonlinear systems with lower triangular structure. 2009 ,	
353	A new asymptotic polynomial observer to synchronization problem. 2009 ,	1
352	Hybrid adaptive observers for locally Lipschitz systems with application to mechanical oscillators. 2009 ,	4
351	State and unknown input estimation for nonlinear systems described by Takagi-Sugeno models with unmeasurable premise variables. 2009 ,	16
350	New adaptive observer design for uniformly observable nonlinear systems. 2009 ,	1
349	Robust Reduced Order Observer for Lipschitz Nonlinear Systems. 2009 , E92-A, 1530-1534	2
348	Observer Design for Nonlinear Systems With Time-Periodic Coefficients via Normal Form Theory. 2009 , 4,	1
347	State Estimation in Nonlinear Quadratic Systems. 2010 , 43, 226-230	1
346	An Observer for Sensorless Variable Valve Control in Camless Internal Combustion Engines. 2010 , 43, 306-311	2
345	Deterministic learning and nonlinear observer design. 2010 , 12, 714-724	9
344	An exponential polynomial observer for synchronization of chaotic systems. 2010 , 15, 4114-4130	15
343	A note on observer design for one-sided Lipschitz nonlinear systems. 2010 , 59, 66-71	92
342	Full-order observer design for a class of port-Hamiltonian systems. 2010 , 46, 555-561	24
341	Adaptive neural output regulation control of a solar power plant. 2010 , 18, 1183-1196	9
340	A comparative study of nonlinear observers applied to a DC servo motor. 2010 ,	1
339	Actuator fault detection system for a mini-quadrotor. 2010 ,	28
338	Nonlinear observer design for Lotka-Volterra systems. 2010 ,	
337	Adaptive observer design for a class of uncertainty system based on fuzzy systems. 2010 ,	1

336	Observability through delayed measurements: a new approach to state observers design. <i>International Journal of Control</i> , 2010 , 83, 2395-2410	1.5	5
335	Adaptive observer for fault estimation in nonlinear systems described by a Takagi-Sugeno model. 2010 ,		4
334	Entwurf nichtlinearer Beobachter mit linearer und nherungsweise linearer Fehlerdynamik. 2010 , 58, 489-497		1
333	Design of reduced-order nonlinear observers for energy conversion applications. 2010 , 4, 724-734		9
332	Nonlinear observer design for one-sided Lipschitz systems. 2010 ,		118
331	Sliding mode state observer for 2-DOF twin rotor MIMO system. 2010 ,		8
330	Model-based fault detection in induction Motors. 2010 ,		7
329	Semi-globally convergent observer for single-output-bounded-state systems subject to time-delay. 2010 ,		
328	Geometric Steady States of Nonlinear Systems. 2010 , 55, 1448-1454		2
327	Development of a High Gain Observer for In-Line Monitoring of Sublimation in Vial Freeze Drying. 2010 , 28, 256-268		29
326	Nonlinear sliding mode observers for fault reconstruction and state estimations. 2010 ,		0
325	Optimization based on quasi-Monte Carlo sampling to design state estimators for non-linear systems. 2010 , 59, 963-984		18
324	A robust new nonlinear fault tolerant control for robot via an observer. 2011 ,		4
323	Global Finite-Time Observers for Lipschitz Nonlinear Systems. 2011 , 56, 418-424		71
322	Design of stable fuzzy-observer-based residual generators for a class of nonlinear systems. 2011 ,		3
321	Resilient observer design for discrete-time nonlinear systems with general criteria. 2011 ,		5
320	TS fuzzy observer based residual generators for a class of nonlinear systems. 2011 ,		1
319	Nonlinear observer design for Lipschitz nonlinear systems. 2011 ,		5

318	Observer design for a class of multi-input multi-output nonlinear systems. 2011 , 42, 695-703	4
317	Observer design for two-wheeled vehicle: A Takagi-Sugeno approach with unmeasurable premise variables. 2011 ,	22
316	Stability of Singular Stochastic Systems With Markovian Switching. 2011 , 56, 424-429	62
315	Variable neural adaptive robust observer for uncertain systems. 2011 ,	1
314	Adaptive Redesign of Nonlinear Observers. 2011 , 56, 1152-1157	23
313	Observability properties of the periodic Toda lattice. 2011 ,	
312	Position sensorless control of a permanent magnet stepping motor based on a nonlinear observer. 2011 ,	
311	Global Finite-time Observers for a Class of Non-Lipschitz Systems. 2011 , 44, 703-708	2
310	H _∞ and H ₂ bias aware filters for continuous-time Lipschitz systems. 2011 , 44, 1168-1173	
309	Observer Design of Lipschitz Output Nonlinearity with Application to Asymptotic Rejection of General Periodic Disturbances. 2011 , 44, 2517-2522	2
308	Observer for discrete-time Lipschitz non-linear systems with delayed output. 2011 , 5, 54	8
307	Differential stability and design of reduced-order observers for non-linear systems. 2011 , 5, 315-322	9
306	Fault reconstruction and state estimation with sliding mode observers for Lipschitz non-linear systems. 2011 , 5, 1255-1263	42
305	Observer design for non-linear systems based on a generalised Lipschitz condition. 2011 , 5, 1813-1818	13
304	. 2011 , 47, 2792-2806	47
303	Vision-based exponential stabilization of mobile robots. 2011 , 30, 293-306	9
302	Dissipative proportional integral observer for a class of uncertain nonlinear systems. 2011 , 25, 1551-1555	1
301	Multiple sliding mode observers and unknown input estimations for Lipschitz nonlinear systems. 2011 , 21, 1322-1340	23

- 300 Hybrid adaptive observers for locally Lipschitz systems. **2011**, 25, 33-47 2
- 299 Observers design for uncertain Takagi-Sugeno systems with unmeasurable premise variables and unknown inputs. Application to a wastewater treatment plant. **2011**, 21, 1105-1114 55
- 298 Observer-based reliable exponential stabilization and H_2 control for switched systems with faulty actuators: An average dwell time approach. **2011**, 5, 479-491 19
- 297 Design of mixed H_2 -dissipative observers with stochastic resilience for discrete-time nonlinear systems. **2011**, 348, 790-809 1
- 296 Reduced-order observer design for nonlinear systems with unknown inputs. **2011**, 3 3
- 295 On observer-based residual generator design for a class of nonlinear systems. **2011**, 2 2
- 294 Synchronization of time-delay chaotic systems in the presence of parameters uncertainties with sliding mode observer design. **2011**, 1 1
- 293 Lyapunov-based design of resilient mixed MSE-dissipative-type state observers for a class of nonlinear systems and general performance criteria. **2011**, 42, 789-800 4
- 292 Observer-based output feedback control of discrete-time Lur'e systems with sector-bounded slope-restricted nonlinearities. **2011**, 1 1
- 291 Robust Sensor Fault Reconstruction for Lipschitz Nonlinear Systems. **2011**, 2011, 1-17 12
- 290 A switching observer for sensorless control of an electromagnetic valve actuator for camless internal combustion engines. **2011**, 3 3
- 289 Dynamic Surface Control of Uncertain Nonlinear Systems. **2011**, 47 47
- 288 Convergent series observer design for a class of nonlinear systems. **2011**, 3 3
- 287 H_2 Estimation for a Class of Lipschitz Nonlinear Discrete-Time Systems with Time Delay. **2011**, 2011, 1-22 3
- 286 The Design of Observers for Nonlinear Control Systems around Equilibria. **2012**, 21-30 3
- 285 Observers for continuous-time Lipschitz nonlinear systems. Analysis and comparisons. **2012**, 6 6
- 284 Observer for Lipschitz nonlinear systems: Mean Value Theorem and sector nonlinearity transformation. **2012**, 6 6
- 283 UKF-based slow-variable control for firing patterns in CA3 neurons. **2012**, 6 6

282	A Reduced-Order TS Fuzzy Observer Scheme with Application to Actuator Faults Reconstruction. 2012 , 2012, 1-25	3
281	A Robust Self-Tuning Fuzzy Sliding Mode Observer. 2012 ,	1
280	Velocity Estimation via Thau Observer for a PMSM in Chaotic Regime and its Physical Validation*. 2012 , 45, 187-191	
279	Robust controlled manipulation of nanoparticles using atomic force microscope. 2012 , 7, 927-931	26
278	A Two-Stage Augmented Extended Kalman Filter as an Observer for Sensorless Valve Control in Camless Internal Combustion Engines. 2012 , 59, 4236-4247	64
277	A Hysteresis Hybrid Extended Kalman Filter as an Observer for Sensorless Valve Control in Camless Internal Combustion Engines. 2012 , 48, 1940-1949	63
276	Non-linear observer design for one-sided Lipschitz systems: an linear matrix inequality approach. 2012 , 6, 1297	89
275	Observer design for one-sided Lipschitz discrete-time systems. 2012 , 61, 879-886	88
274	Advances in observer design for Takagi-Sugeno systems with unmeasurable premise variables. 2012 ,	23
273	Structure matters Some notes on high gain observer design for nonlinear systems. 2012 ,	4
272	Adaptive dynamic neural-network observer design of velocity feedbacks. 2012 ,	2
271	Observer Design for MIMO Non-Uniformly Observable Systems. 2012 , 57, 511-516	16
270	Observers for interconnected nonlinear and linear systems. 2012 , 48, 1339-1346	35
269	Observer Design in Convergent Series for a Class of Nonlinear Systems. 2012 , 57, 1849-1854	4
268	Full-order and reduced-order observers for one-sided Lipschitz nonlinear systems using Riccati equations. 2012 , 17, 4968-4977	105
267	A new reduced-order observer normal form for nonlinear discrete time systems. 2012 , 61, 1003-1008	7
266	Fault diagnosis observer via hybrid fuzzy and importance sampling schemes. 2012 ,	
265	Observer design for fault diagnosis for the Takagi-Sugeno model with unmeasurable premise variables. 2012 ,	6

264	Functional Observers for Dynamical Systems. 2012,	84
263	On synchronization of chaotic systems based on the Thau observer design. 2012, 17, 17-25	16
262	A Diagnostic Thau Observer for a Class of Unmanned Vehicles. 2012, 67, 61-73	39
261	A Note on Observers for Discrete-Time Lipschitz Nonlinear Systems. 2012, 59, 123-127	68
260	Adaptive state observer for Lipschitz nonlinear systems. 2013, 62, 319-323	53
259	On LMI conditions to design observers for Lipschitz nonlinear systems. 2013, 49, 585-591	195
258	Observer-Based H _∞ Synchronization and Unknown Input Recovery for a Class of Digital Nonlinear Systems. 2013, 32, 2867-2881	21
257	Distributed moving horizon state estimation for nonlinear systems with bounded uncertainties. 2013, 23, 1281-1295	45
256	Sensitivity analysis of nanoparticles pushing manipulation by AFM in a robust controlled process. 2013, 37, 658-670	30
255	Runge-Kutta model-based nonlinear observer for synchronization and control of chaotic systems. 2013, 52, 501-9	23
254	Dynamics in Logistics. 2013,	1
253	Design of time-varying state observers for nonlinear systems by using input-to-state stability. 2013,	3
252	Robust moving horizon state estimation for nonlinear systems. 2013,	
251	Synchronization of chaotic systems with unknown time delay by sliding mode observer approach and unknown delay identification. 2013,	1
250	Robust Estimation of Road Frictional Coefficient. 2013, 21, 1-13	84
249	Moving horizon state estimation for nonlinear systems with bounded uncertainties. 2013, 93, 376-386	39
248	Local observer for infinitesimally observable nonlinear systems. <i>International Journal of Control,</i> 2013, 86, 579-590	1.5 4
247	Observer-Based Backstepping Controller for Microalgae Cultivation. 2013, 52, 7482-7491	11

246	An observer design method for one-sided Lipschitz nonlinear systems. 2013 ,	0
245	General framework in designing Luenberger-like non-linear observer. 2013 , 7, 253-260	13
244	Aspects of Computational Intelligence: Theory and Applications. 2013 ,	1
243	Takagi-Sugeno fuzzy observer and extended-Kalman filter for adaptive payload estimation. 2013 ,	6
242	Design of a Globally and Exponentially Convergent State Observer and its Application to a Mechanical System with Coulomb Friction. 2013 , 446-447, 532-535	
241	LMI Enhanced Observer Design for Lipschitz Nonlinear Systems. 2013 , 756-759, 420-424	
240	Adaptive Observer of One-Sided Lipschitz Nonlinear Systems. 2013 , 336-338, 417-422	
239	New nonlinear Takagi-Sugeno vehicle model for state and road curvature estimation via nonlinear PMI observer. 2013 ,	1
238	Exponential observers for nonlinear oscillators. 2013 ,	
237	Unknown inputs observers for state and unknown inputs estimation in a class of discrete-time Lipschitz nonlinear systems. 2013 ,	2
236	Dynamic gain observer design for Lipschitz nonlinear systems subjected to noise. 2013 , 44, 2094-2103	5
235	On increasing-gain observers for nonlinear continuous-time systems. 2013 ,	1
234	Real-time implementation of state observers for twin rotor MIMO system: an experimental evaluation. 2013 , 19, 98	4
233	Actuator Fault Detection System for a Remotely Operated Vehicle. 2013 , 46, 356-361	3
232	UIO approach for estimation of nonlinear components behavior. 2014 ,	1
231	State and Input Observer Design for Nonlinear Impulsive Systems via LMI Approach. 2014 , 950, 119-124	0
230	Observer design for differentiable Lipschitz nonlinear systems with time-varying parameters. 2014 ,	12
229	Observer-based output feedback control of discrete-time Lur β systems with sector-bounded slope-restricted nonlinearities. 2014 , 24, 2458-2472	7

228	Observer design for a class of nonlinear systems with long delay in output measurements: an LMI approach. 2014,	2
227	\mathcal{H}_{∞} Observer-Based Control for Discrete-Time One-Sided Lipschitz Systems with Unknown Inputs. 2014, 52, 3751-3775	19
226	Adaptive-observer-based controller for distributed control systems with lipschitz nonlinearities and time delays. 2014,	1
225	Observer-based control of one-sided Lipschitz nonlinear systems. 2014,	3
224	State feedback consensus controller with states estimation for a nonlinear class system. 2014,	1
223	Distributed adaptive state observer for distributed control systems with Lipschitz nonlinearities and time delays. 2014,	0
222	Fault Diagnosis and Fault-Tolerant Control and Guidance for Aerospace Vehicles. 2014,	50
221	Robust Detection of Oscillatory Failure Case in Aircraft Control Surface Servo-Loops. 2014, 29-71	
220	Nonlinear estimation in a class of gene transcription process. 2014, 226, 131-144	4
219	An Adaptive and Optimized Switching Observer for Sensorless Control of an Electromagnetic Valve Actuator in Camless Internal Combustion Engines. 2014, 16, 959-973	38
218	Actuator fault detection and isolation system for an hexacopter. 2014,	9
217	Dynamic observer design for linear descriptor systems. 2014,	0
216	Finite Time Observers for a class of nonlinear system. 2014,	1
215	A piecewise-affine approach to observer design for a class of nonlinear systems linear in the input with a sampled output. 2014,	
214	LMI based fuzzy observer design for Takagi-Sugeno models containing vestigial nonlinear terms. 2014, 24, 39-52	3
213	Robust static output-feedback controller design against sensor failure for vehicle dynamics. 2014, 8, 728-737	93
212	State estimation in MIMO nonlinear systems subject to unknown deadzones using recurrent neural networks. 2014, 25, 693-701	11
211	Unified nonlinear optimal flight control and state estimation of highly maneuverable aircraft. 2014, 37, 70-80	6

210	Some Remarks on High Gain Observer Design. 2014 , 14, 931-932	2
209	Long-Time Asymptotics of the Filtering Distribution for Partially Observed Chaotic Dynamical Systems. 2015 , 3, 1200-1220	11
208	A Hamiltonian Approach to Fault Isolation in a Planar Vertical TakeOff and Landing Aircraft Model. 2015 , 25, 65-76	3
207	Nonlinear robust observers for ball and beam system: A comparative analysis. 2015 ,	
206	Nonlinear observer design for a magnetic position estimation technique. 2015 ,	5
205	Exponential Boundary Observers for Pressurized Water Pipe. 2015 , 659, 012024	
204	Observer Design for One-Sided Lipschitz Nonlinear Systems Subject to Measurement Delays. 2015 , 2015, 1-13	23
203	A Model-Free Sliding Observer to the Synchronization Problem Using Geometric Techniques. 2015 , 43-62	
202	Increasing-gain observers for nonlinear systems: Stability and design. 2015 , 57, 180-188	46
201	H _∞ observer-based control for discrete-time one-sided Lipschitz systems with unknown inputs. 2015 ,	
200	A nonlinear observer for rotor flux estimation considering magnetic saturation effects in induction motor drives. 2015 ,	5
199	Observer design for a class of nonlinear systems driven by stochastic process with bounded covariance. 2015 ,	
198	Distributed Robust Adaptive Observer-Based Controller for Distributed Control Systems with Lipschitz Nonlinearities and Time Delays. 2015 ,	1
197	A note on observers design for one-sided Lipschitz nonlinear systems. 2015 ,	2
196	Gradient-based Takagi-Sugeno fuzzy local observer. 2015 ,	
195	Proportional integral sliding mode observer for uncertain Takagi Sugeno systems with unknown inputs. 2015 ,	2
194	Based on observer designing controller for nonlinear singular networked control systems. 2015 ,	1
193	A Comparative Study of Three Fault Diagnosis Schemes for Wind Turbines. 2015 , 23, 1853-1868	37

192	A robust nonlinear observer-based approach for distributed fault detection of input-output interconnected systems. 2015 , 53, 408-415	56
191	Design of APOD-based switching dynamic observers and output feedback control for a class of nonlinear distributed parameter systems. 2015 , 136, 62-75	20
190	Observers design for a class of Lipschitz discrete-time systems. 2015 , dnv033	
189	Synchronization of Integral and Fractional Order Chaotic Systems. 2015 ,	26
188	. 2015 , 51, 2496-2501	6
187	Dynamic shaping of transport-reaction processes with a combined sliding mode controller and Luenberger-type dynamic observer design. 2015 , 138, 673-684	6
186	A Two-Stage Sliding-Mode High-Gain Observer to Reduce Uncertainties and Disturbances Effects for Sensorless Control in Automotive Applications. 2015 , 62, 5929-5940	70
185	Simultaneous actuator and sensor faults reconstruction for Lipschitz nonlinear systems. 2015 ,	1
184	A self-tuning robust observer for marine surface vessels. 2015 , 79, 937-951	1
183	Emergent Trends in Robotics and Intelligent Systems. 2015 ,	2
182	Modelling and Control of a Mobile Robot, Equipped with an Arm in Cylindrical Coordinates with Uncoupled Tentacular Terminal. 2016 , 822, 311-320	
181	Koopman operator based observer synthesis for control-affine nonlinear systems. 2016 ,	42
180	Modeling and observer-based compensation of slip in a friction drive for servo positioning. 2016 ,	
179	Nonlinear Observer Design for Chaotic Systems. 2016 , 19-41	
178	General Observer Design for Continuous-Time and Discrete-Time Nonlinear Systems. 2016 , 81-95	
177	FDI and FTC technique based on Thau observer and flatness theory for a quadrotor. 2016 ,	2
176	Nonlinear robust observer for structures with configuration-dependent natural frequencies: experimental and theoretical results. 2016 , 85, 2077-2098	1
175	Data assimilation algorithm for 3D Bård convection in porous media employing only temperature measurements. 2016 , 438, 492-506	27

174	Formal Analysis of Drum-Boiler Units to Maximize the Load-Following Capabilities of Power Plants. 2016 , 31, 4691-4702	14
173	Sensorless induction machine drive for fly-wheel generation unit based on a TLS-based non-linear observer. 2016 ,	4
172	Design of adaptive sliding mode observers for nonlinear systems with mismatched perturbations. 2016 ,	
171	Auxiliary dynamics for observer design of nonlinear TS systems with unmeasurable premise variables. 2016 , 49, 1-6	3
170	Contribution to state and sensor fault estimation applied to PEM Fuel Cell Systems. 2016 ,	1
169	A method to avoid the unmeasurable premise variables in observer design for discrete time TS systems. 2016 ,	4
168	Nonlinear observer-based Lyapunov boundary control of distributed heat transfer mechanisms for membrane distillation plant. 2016 , 47, 78-86	8
167	Nonlinear robust observer design using an invariant manifold approach. 2016 , 55, 69-79	3
166	A Discrete Data Assimilation Scheme for the Solutions of the Two-Dimensional Navier--Stokes Equations and Their Statistics. 2016 , 15, 2109-2142	41
165	Observer Design for One-Sided Lipschitz Discrete-Time Systems Subject to Delays and Unknown Inputs. 2016 , 54, 1585-1601	18
164	Reduced-order observer design for one-sided Lipschitz time-delay systems subject to unknown inputs. 2016 , 10, 1097-1105	43
163	Speed sensor fault tolerant controller design for induction motor drive in EV. 2016 , 214, 32-43	32
162	A decoupled approach to filter design for stochastic systems. <i>International Journal of Control</i> , 2016 , 89, 1572-1591	1,5 2
161	Nonlinear Observer Design for Population Biology Systems. 2016 , 43-57	
160	. 2016 , 21, 2440-2452	16
159	Adaptive Fuzzy Terminal Sliding-Mode Observer with Experimental Applications. 2016 , 18, 585-594	6
158	Observer-based adaptive sliding mode backstepping output-feedback DSC for spin-stabilized canard-controlled projectiles. 2017 , 30, 1115-1126	13
157	Continuous Data Assimilation for a 2D Bård Convection System Through Horizontal Velocity Measurements Alone. 2017 , 27, 1065-1087	22

156	. 2017 , 53, 5952-5965	18
155	Stabilization of Takagi-Sugeno models with non-measured premises: Input-to-state stability approach. 2017 , 329, 108-126	6
154	Continuous Sampled-Data Observer Design for Nonlinear Systems With Time Delay Larger or Smaller Than the Sampling Period. 2017 , 62, 5822-5829	18
153	Robust observer-based control of nonlinear dynamical systems with state constraints. 2017 , 354, 7385-7409	5
152	Observer-based controller for Lipschitz nonlinear systems. 2017 , 48, 3411-3418	12
151	Robust decentralised stabilisation of uncertain large-scale interconnected nonlinear descriptor systems via proportional plus derivative feedback. 2017 , 48, 2997-3006	12
150	Circle criterion-based H _∞ observer design for Lipschitz and monotonic nonlinear systems □ Enhanced LMI conditions and constructive discussions. 2017 , 85, 412-425	30
149	Design of robust observer-based controller for time-delay switched fuzzy systems with unmeasurable premise variables. 2017 ,	
148	High-gain sliding mode observers for a class of nonlinear uncertain delay systems. 2017 ,	
147	Intermittent observer for nonlinear systems with state delays. 2017 , 90, 823-836	2
146	State and Faults Estimation Based on Proportional Integral Sliding Mode Observer for Uncertain Takagi-Sugeno Fuzzy Systems and its Application to a Turbo-Reactor. 2017 , 19, 1768-1781	13
145	H _∞ Sliding-Mode Beobachterentwurf. 2017 , 65, 695-704	
144	Event-triggered consensus of non-linear multi-agent systems with sampling data and time delay. 2017 , 11, 1715-1725	22
143	Robust nonlinear observer for systems with generalized sector nonlinearity and time-varying delay. 2017 , 89, 2879-2887	1
142	A Motion-Sensorless Control for Intake Valves in Combustion Engines. 2017 , 64, 3402-3412	30
141	Continuous observer design for a class of multi-output nonlinear systems with multi-rate sampled and delayed output measurements. 2017 , 75, 127-132	34
140	Observer Design for Parameter Varying Differentiable Nonlinear Systems, With Application to Slip Angle Estimation. 2017 , 62, 1940-1945	16
139	State and Unknown Inputs Finite Time Estimation for Time-Varying Nonlinear Lipschitz Systems with Uncertain Disturbances * *This work is supported by Russian Fund of Basic Research, grants No. 15-08-05575. 2017 , 50, 1439-1444	4

138	Beobachter mit großer Verstärkung und starke Beobachter. 2017 , 277-317		
137	Beobachterentwurf mittels exakter bzw. nherungsweise Linearisierung der Fehlerdynamik. 2017 , 319-368		
136	A Switched MPC Lateral Steering Controller Which Considered Tracking Quality and Handling Quality for Autonomous Vehicle. 2017 ,		
135	Prediction-Based Control for Nonlinear Systems with Input Delay. 2017 , 2017, 1-11		7
134	Geophysical Fluid Dynamics. 2017 , 14, 1421-1462		
133	ON THE DIFFERENCE BETWEEN BOUNDED JACOBIAN AND LIPSCHITZ OBSERVERS FOR NONLINEAR ESTIMATION APPLICATIONS. 2017 , 41, 395-415		2
132	Exponential State Observers for Nonlinear Systems with Incremental Quadratic Constraints and Output Nonlinearities. 2018 , 29, 127-135		7
131	Robust Fault Detection of Uncertain Lipschitz Nonlinear Systems with Simultaneous Disturbance Attenuation Level and Enhanced Fault Sensitivity and Lipschitz Constant. 2018 , 37, 4256-4278		6
130	A new fault detection approach for nonlinear Lipschitz systems with optimal disturbance attenuation level and Lipschitz constant. 2018 , 100, 1997-2009		2
129	Exponential Reduced-Order Observers for Nonlinear Systems Satisfying Incremental Quadratic Constraints. 2018 , 37, 3725-3738		14
128	Uniform-in-Time Error Estimates for the Postprocessing Galerkin Method Applied to a Data Assimilation Algorithm. 2018 , 56, 78-110		23
127	Synthesis of State Unknown Inputs Observers for Nonlinear Lipschitz Systems with Uncertain Disturbances. 2018 , 79, 406-424		5
126	Observer-based perturbation extremum seeking control with input constraints for direct-contact membrane distillation process. <i>International Journal of Control</i> , 2018 , 91, 1363-1375	1,5	11
125	Nonlinear speed sensorless control of a surface-mounted PMSM based on a Thau observer. 2018 , 100, 177-193		4
124	Highly LMI-Based Observer Design for Nonlinear Systems via Takagi-Sugeno Models With Unmeasured Premise Variables. 2018 , 26, 1498-1509		34
123	How to cope with unmeasurable premise variables in Takagi-Sugeno observer design: Dynamic extension approach. 2018 , 67, 430-435		23
122	Robust observer design for uncertain one-sided Lipschitz systems with disturbances. 2018 , 28, 1366-1380		30
121	On Observer Design for Nonlinear Caputo Fractional-Order Systems. 2018 , 20, 1533-1540		17

120	State Estimation and Fault Detection for Nonlinear Dynamic Systems. 2018,	
119	Design of a proportional integral observer based on sliding mode principle for uncertain Takagi-Sugeno fuzzy systems: applications to a turbo-reactor. 2018, 12, 179	1
118	Dynamical Compensation of the Load Torque in a High-Performance Electrical Drive with an Induction Motor. 2018,	2
117	References. 2018, 231-238	
116	Cascade high-gain observers for a class of nonlinear systems with large delayed measurements. 2018, 49, 2558-2570	3
115	Model-Based Actuator Fault Diagnosis in Multirotor UAVs*. 2018,	15
114	Event-triggered H_{∞} Consensus of Nonlinear Multi-agent Systems with Markovian Switching Topologies. 2018,	0
113	Robust fault tolerant control for Lipschitz nonlinear systems with simultaneous actuator and sensor faults. 2018,	6
112	Multi-Objective Nonlinear Observer Design using BMIs. 2018,	1
111	Dissipative observers for discrete-time nonlinear systems. 2018, 355, 5759-5770	5
110	Downscaling data assimilation algorithm with applications to statistical solutions of the Navier-Stokes equations. 2019, 36, 295-326	15
109	Magnetic sensor-based simultaneous state and parameter estimation using a nonlinear observer. <i>International Journal of Control</i> , 2019, 92, 2639-2646	1.5 1
108	State and Unknown Inputs Observers for Time-Varying Nonlinear Systems with Uncertain Disturbances. 2019, 40, 769-775	4
107	A Two-Phase Development of Fuzzy Rule-Based Model and Their Analysis. 2019, 7, 80328-80341	5
106	Model-Based Fail-Safe Module for Autonomous Multirotor UAVs with Parachute Systems. 2019,	6
105	Fault Diagnosis of Dynamic Systems. 2019,	8
104	Selected Estimation Strategies for Fault Diagnosis of Nonlinear Systems. 2019, 263-293	
103	Full-order and reduced-order observers for linear parameter-varying systems with one-sided Lipschitz nonlinearities and disturbances using parameter-dependent Lyapunov function. 2019, 356, 5541-5572	4

102	Output feedback control of wind energy conversion system involving a doubly fed induction generator. 2019 , 21, 2027-2037	11
101	Practical Study of Derivative-Free Observer-Based Nonlinear Adaptive Predictive Control. 2019 , 241-266	
100	A Data Assimilation Algorithm: the Paradigm of the 3D Leray- η Model of Turbulence. 2019 , 253-273	7
99	On the practical separation principle of time-varying perturbed systems. 2019 ,	2
98	Simultaneous Observation of the Wheel Torque and Tire Force as well as the Vehicle Speeds. 2019 , 30, 229-241	
97	Incremental Quadratic Constrained Nonlinear Adaptive Reduced-Order Observer and Its Application to Chaos Synchronization. 2019 ,	
96	Speed and Acceleration Control of BLDC Drives Using Different Types of Observers. 2019 ,	1
95	Sensor Redundancy for Robustness in Nonlinear State Estimation. 2019 ,	1
94	Modulating function-based fast convergent observer and output feedback control for a class of non-linear systems. 2019 , 13, 2681-2693	8
93	Observer Design for Takagi-Sugeno Lipschitz Systems Affected by Disturbances using Quadratic Boundedness. 2019 ,	1
92	Generalised dynamic observer design for Lipschitz non-linear descriptor systems. 2019 , 13, 2270-2280	5
91	Observer for nonlinear systems using mean value theorem and particle swarm optimization algorithm. 2019 , 85, 226-236	5
90	An approximate high gain observer for speed-sensorless estimation of induction motors. 2019 , 6, 53-63	4
89	L ∞ Observer for Uncertain Linear Systems. 2019 , 21, 632-638	2
88	Observer-Based Synchronization of Chaotic Systems Satisfying Incremental Quadratic Constraints and Its Application in Secure Communication. 2020 , 50, 5221-5232	25
87	Recent Advances in Modeling, Analysis and Systems Control: Theoretical Aspects and Applications. 2020 ,	0
86	Algorithm to Compute Nonlinear Partial Observer Normal Form With Multiple Outputs. 2020 , 65, 2700-2707	1
85	On the Event-Triggered Controller Design. 2020 , 65, 4122-4137	11

84	Fully discrete numerical schemes of a data assimilation algorithm: uniform-in-time error estimates. 2020 , 40, 2584-2625	11
83	State Observer Design for a Class of Lipschitz Nonlinear System with Uncertainties. 2020 , 53, 283-288	0
82	Design of a robust H _∞ dynamic sliding mode torque observer for the 100 KW wind turbine. 2020 , 24, 100393	2
81	Further Result on the Observer Design for One-Sided Lipschitz Systems. 2020 , 1	
80	Adaptive Neural Dynamic Surface Output Feedback Control for Nonlinear Full States Constrained Systems. 2020 , 8, 131590-131600	3
79	. 2020 ,	
78	State Observation for Lipschitz Nonlinear Dynamical Systems Based on Lyapunov Functions and Functionals. 2020 , 8, 1424	2
77	Observer for differential inclusion systems with incremental quadratic constraints. 2020 , 51, 2999-3012	1
76	A Luenberger-Like Observer for Multistable Kapitaniak Chaotic System. 2020 , 2020, 1-12	1
75	Predictor-based super-twisting sliding mode observer for synchronisation of nonlinear chaotic systems with delayed measurements. 2020 , 51, 3013-3029	3
74	Information Fusion Based on Complementary Filter for SINS/CNS/GPS Integrated Navigation System of Aerospace Plane. 2020 , 20,	0
73	Separation principle of time-varying systems including multiple delayed perturbations. 2020 , 161, 102869	0
72	Ein Beitrag zum Beobachterentwurf und zur sensorlosen Folgeregelung translatorischer Magnetaktoren. 2020 ,	
71	Lyapunov Functions for State Observers of Dynamic Systems Using Hamilton-Jacobi Inequalities. 2020 , 8, 202	2
70	Reduced nonlinear unknown inputs observer using MVT and GA. 2020 , 101, 461-470	1
69	A New Procedure for Linearizing Dynamic Error and Establishing Absolute Robustness to Lipschitz Nonlinearity. 2020 , 31, 625-635	
68	An exact handling of the gradient for overcoming persistent problems in nonlinear observer design via convex optimization techniques. 2021 , 416, 125-140	7
67	Interval Estimation for Uncertain Systems via Polynomial Chaos Expansions. 2021 , 66, 468-475	5

66	A modification in the structure of low-power high-gain observers to improve the performance in the presence of disturbances and measurement noise. 2021 , 58, 278-288	1
65	A Note on Adaptive Observer Design Method for One-Sided Lipschitz Systems. 2021 , 40, 1021-1039	1
64	Robust Observer Design for Uncertain Lipschitz Nonlinear Systems Based on Differential Mean Value Theorem: Application to Induction Motors. 2021 , 32, 132-144	2
63	Separation principle for discrete-time quasi-one-sided Lipschitz nonlinear systems. 2021 , 15, 136-147	
62	Robust dynamic sliding mode observer design for a class of nonlinear systems. 2021 , 43, 335-343	1
61	Application of the Kalman filtering technique for nonlinear state estimation in propulsion system. 2021 , 26, 618-631	
60	Observability and Observer for Dynamical Systems. 2021 , 1-29	
59	State and Parameter Estimation of a Nonlinear Servo System Handling Noises and Varying Payloads. 7-14	
58	Improving the speed estimation by load torque estimation in induction motor drives: an MRAS and NUIO approach. 2021 ,	
57	Observer analysis and design for nonlinear bounded Lipschitz systems.	
56	State Estimation for Fractional-Order Systems. 2022 , 49-74	
55	Designing nonlinear observer for topography estimation in trolling mode atomic force microscopy. 107754632110381	
54	A Brief Overview on Fractional Order Systems in Control Theory. 2022 , 29-47	1
53	Finite-time impulsive observers for nonlinear systems represented by Takagi-Sugeno models: Application to a chaotic system. 2022 , 192, 321-352	1
52	Fault-tolerant Control Systems. 1999 , 171-196	11
51	State Estimation and Tracking Control of Nonlinear Dynamical Systems. 2003 , 1-24	2
50	An Observer-Based Neural Network Controller for Chaotic Lorenz System. 2008 , 608-617	3
49	The Extended-Linearization Approach for Nonlinear Systems Problems. 1986 , 285-309	9

- 48 Toward A More Practical Control Theory for Distributed Parameter Systems. **1982**, 18, 361-421 23
- 47 Control and Observation of Uncertain Systems: A Variable Structure Systems Approach. **1990**, 34, 175-204 1
- 46 Separation principle of quasi-one-sided Lipschitz non-linear systems. **2020**, 14, 2233-2241 1
- 45 Observer Design for A Class of Nonlinear Systems with Incremental Quadratic Constraints. **2021**,
- 44 Reduced Order Based Compensator Control of Thin Film Growth in a CVD Reactor. **2001**, 1-17
- 43 Robust Reduced Order State Observer for Lipschitz Nonlinear Systems. **2008**, 14, 837-841
- 42 Robust State Observer for Lipschitz Nonlinear Systems with Time Delay. **2008**, 14, 1089-1093 1
- 41 Study on sliding mode observer for the uncertain nonlinear systems. **2009**, 2009, 60-64
- 40 Robust Reduced Order Observer for Discrete-Time Lipschitz Nonlinear Systems. **2010**, E93-A, 1560-1564
- 39 Observer-Based Dynamic Surface Control. **2011**, 79-105
- 38 Observers in Dynamic Engineering Systems. **2011**, 1-23
- 37 An LMI Approach to Exponential Stock Level Estimation for Large-Scale Logistics Networks. **2013**, 349-357
- 36 Residual Generator for a Class of Nonlinear Systems Described by Takagi-Sugeno Models. **2013**, 3-23 0
- 35 An Adaptive High Gain Observer Design for Nonlinear Systems. **2014**, E97.A, 1966-1970
- 34 Einsatzmöglichkeiten von Beobachtern zur Messung von Zustandsgrößen Verfahrenstechnischer Prozesse. **1977**, 221-240
- 33 Robust Observer of a Synchronous Generator. **1987**, 215-221
- 32 MOVING HORIZON OBSERVERS This work was supported by the National Science Foundation under grant ECS-9024944.. **1993**, 185-190
- 31 EXPONENTIAL OBSERVER DESIGN. **1993**, 215-218

- 30 RULE-BASED SELECTION OF NONLINEAR OBSERVER DESIGN METHODS. **1993**, 231-238 1
- 29 Robust TS Fuzzy Fault Detection Filters Design. **2015**, 197-206
- 28 Observer Design for the Hodgkin-Huxley Neuronal Model. 66-66
- 27 A State Observer Design for Dual Lipschitz Nonlinear System. **2020**, 827-836
- 26 Observer-Based Tracking Control Design for a Class of Nonlinear Discrete-Time Systems. **2020**, 163-175
- 25 State Estimation Using Microprocessors for Process Supervision and Control. **1983**, 141-158
- 24 Simplifying the Design of Lipschitz Observers by Applying a Novel Batch Pole Assignment Approach. **2020**, 53, 4163-4168
- 23 Stabilization of Passive Dynamical Systems with Actuator and Sensor Disturbances. **2020**, 53, 5807-5812
- 22 Data Assimilation for the Navier--Stokes Equations Using Local Observables. **2021**, 20, 2174-2203 3
- 21 Continuous Data Assimilation for the Three-Dimensional Navier--Stokes Equations. **2021**, 53, 6697-6723 2
- 20 Adaptive observer design for a multi-model subject to unknown inputs and outputs with unmeasurable decision variables. **2021**,
- 19 A Review on Applications of Chaotic Maps in Pseudo-Random Number Generators and Encryption. 1 1
- 18 Observer design for continuous-time dynamical systems. **2022**, 2
- 17 Functional observers with linear error dynamics for discrete-time nonlinear systems. **2021**,
- 16 LMI Feasibility Improvement to Design Observers for a Class of Lipschitz Nonlinear Systems. **2021**, 1
- 15 Sliding Mode Observers for Time-Dependent Set-Valued LurĒ Systems Subject to Uncertainties. 1 0
- 14 Event-Triggered Control-Based Consensus for Multi-Agent. **2022**, 12, 645-652
- 13 New optimal observer design for a class of nonlinear systems based on approximation.

- 12 Estimation and fault diagnosis for non-linear system with time-varying faults and measurement noises: Application on two CSTRs in series. 0
- 11 Stability analysis of nonlinear observer with application to chaos synchronization. **2001**, 44, 430-437
- 10 Extended Kalman Filter and Takagi-Sugeno Fuzzy Observer for a Strip Winding System. **2022**, 118215
- 9 On observer design for a class of time-varying Persidskii systems based on the invariant manifold approach. **2022**,
- 8 Observability analysis and state reconstruction for networks of nonlinear systems. **2022**, 32, 083109 1
- 7 A parametric design method of observer-based state feedback controller for quasi-linear systems. 1
- 6 A quasicontinuous multivariable super-twisting observer for $2n$ states systems with Lipschitz nonlinearities. 0
- 5 Linear and Nonlinear Observers Developed for Direct Current Electric Drive Systems. **2023**, 107-119 0
- 4 Modeling, fault detection, and stabilization of quadrotor unmanned aerial vehicle with rotor thrust deviation fault. 095965182211336 0
- 3 OBSERVER-BASED SYNCHRONIZATION OF TIME-DELAY COMPLEX-VARIABLE CHAOTIC SYSTEMS WITH COMPLEX PARAMETERS. 1
- 2 Observer Design for the State Estimation of Epidemic Processes. **2022**, 0
- 1 Discrete-time Linear and Nonlinear Observers for an Electromechanical Plant with State Feedback Control. **2022**, 0