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IET Control Theory and Applications

ISSN: 1751-8644

INST ENGINEERING TECHNOLOGY-IET

MICHAEL FARADAY HOUSE SIX HILLS WAY STEVENAGE, HERTFORD SG1 2AY, ENGLAND

ENGLAND

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Titles

ISO: IET Contr. Theory Appl.

JCR Abbrev: IET CONTROL THEORY A

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Categories

AUTOMATION & CONTROL
SYSTEMS - SCIE;
ENGINEERING, ELECTRICAL &
ELECTRONIC - SCIE;
INSTRUMENTS &
INSTRUMENTATION - SCIE;

Languages

ENGLISH

18 Issues/Year;

Key Indicators

Year	Total Cites Graph	Journal Impact Factor Graph	Impact Factor Without Journal Self Cites Graph	5 Year Impact Factor Graph	Immediacy Index Graph	Citable Items Graph	Cited Half-Life Graph	Citing Half-Life Graph	Eigenfacto Score Graph	Article Influence Score Graph	% Articles in Citable Items Graph	Normalized Eigenfacto Graph	Average JIF Percentile Graph
2016	5,423	2.536	2.099	2.823	0.325	283	4.6	6.2	0.01...	0.717	100.00	1.50...	72.890
2015	3,787	1.957	1.512	2.338	0.176	301	4.2	6.6	0.01...	0.720	99.67	1.53...	73.529
2014	3,303	2.048	1.597	2.337	0.183	240	3.9	6.1	0.01...	0.673	100.00	1.37...	74.117
2013	3,012	1.844	1.255	2.393	0.306	222	3.6	6.4	0.01...	0.636	99.55	1.21...	70.913
2012	1,967	1.717	1.052	2.040	0.182	302	3.3	6.9	0.00...	0.546	100.00	Not ...	73.952
2011	969	0.990	0.781	1.321	0.062	211	3.3	7.7	0.00...	0.455	100.00	Not ...	48.306
2010	728	1.283	0.953	1.549	0.068	266	3.0	7.5	0.00...	0.488	100.00	Not ...	59.422
2009	548	1.717	1.475	1.720	0.120	150	2.3	7.5	0.00...	0.516	99.33	Not ...	75.025
2008	218	1.070	0.904	1.070	0.037	108	1.5	7.3	0.001...	0.270	100.00	Not ...	48.073
2007	14	Not A...	Not A...	0	0.060	199	Not ...	7.9	0.00...	Not ...	99.50	Not ...	2.660

Source Data

Rank

Cited Journal Data

Citing Journal Data

Box Plot

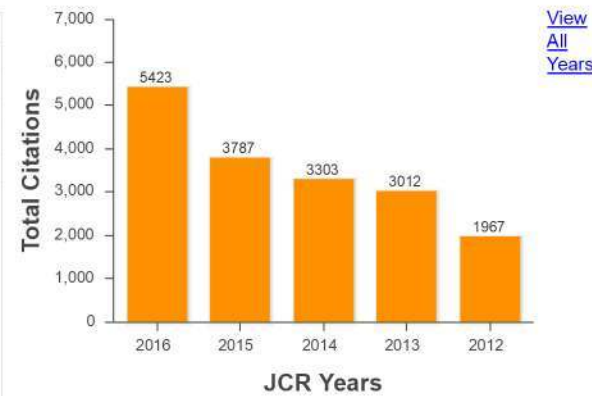
Journal Relationships

JCR Impact Factor

JCR Year	AUTOMATION & CONTROL SYSTEMS			ENGINEERING, ELECTRICAL & ELECTRONIC			INSTR
	Rank	Quartile	JIF Percentile	Rank	Quartile	JIF Percentile	
2016	20/60	Q2	67.500	81/262	Q2	69.275	
2015	18/59	Q2	70.339	71/257	Q2	72.568	
2014	20/58	Q2	66.379	59/249	Q1	76.506	
2013	21/59	Q2	65.254	72/248	Q2	71.169	
2012	16/59	Q2	73.729	69/243	Q2	71.811	
2011	29/58	Q2	50.862	127/245	Q3	48.367	
2010	26/60	Q2	57.500	97/247	Q2	60.931	
2009	17/59	Q2	72.034	63/246	Q2	74.593	
2008	31/53	Q3	42.453	113/229	Q2	50.873	
2007	51/52	Q4	2.885	218/227	Q4	4.185	

ESI Total Citations

JCR Year	ENGINEERING
2016	171/861-Q1
2015	193/850-Q1
2014	191/838-Q1
2013	183/837-Q1
2012	234/827-Q2



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Multi-input-multi-output system experimental validation of model-free control and virtual reference feedback tuning techniques

By: [Roman, RC](#) (Roman, Raul-Cristian)^[1]; [Radac, MB](#) (Radac, Mircea-Bogdan)^[1]; [Precup, RE](#) (Precup, Radu-Emil)^[1]

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IET CONTROL THEORY AND APPLICATIONS

Volume: 10 Issue: 12 Pages: 1395-1403 Spec

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Published: AUG 8 2016

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Abstract

This study proposes data-driven model-free adaptive virtual reference feedback tuning (VRFT) techniques multi-input-multi-output (MIMO) system represented These data-driven techniques are implemented for b designed single-input-single-output controllers runnin techniques are implemented as MFAC and MFC algo The performance of the three data-driven MIMO con the basis of the experimental results in terms of the v measured on TRAS equipment.

Citation Network

[3 Times Cited](#)[26 Cited References](#)[View Related Records](#)

IET CONTROL THEORY AND APPLICATIONS

Impact Factor

2.536 **2.823**
2016 5 year

JCR® Category	Rank in Category	Quartile in Category
AUTOMATION & CONTROL SYSTEMS	20 of 60	Q2
ENGINEERING, ELECTRICAL & ELECTRONIC	81 of 262	Q2
INSTRUMENTS & INSTRUMENTATION	11 of 58	Q1

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Publisher

Keywords

Author Keywords: MIMO systems; control system s
systems; mean square error methods; multi-input-mu
free control; virtual reference feedback tuning techn
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rotor aerodynamic system; TRAS; data driven techni
control; azimuth control; linear controllers; mean squ

KeyWords Plus: NONLINEAR-SYSTEMS; DESIGN

Author Information

Reprint Address: Precup, RE (reprint author)

+ Politehn Univ Timisoara, Dept Automat & Appl Informat, Bd V Parvan 2, Timisoara 300223,
Romania.

Addresses:

+ [1] Politehn Univ Timisoara, Dept Automat & Appl Informat, Bd V Parvan 2, Timisoara 300223,
Romania

E-mail Addresses: radu.precup@upt.ro

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Research Domain

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Funding

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Partnerships in priority areas - PN II programme of the Romanian Ministry of Education and Research (MEdC) - UEFISCDI	PN-II-PT-PCCA-2013-4-0544 PN-II-PT-PCCA-2013-4-0070

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