

Article Title	Authors	Source	Volume	Issue	Pages	Publication Date	Times Cited	Journal Impact Factor
A method for guidance and control of an autonomous vehicle in problems of border patrolling and obstacle avoidance	Matveev, Alexey S.; Teimoori, Hamid; Savkin, Andrey V.	AUTOMATICA	47	3	515-524	2011	40	5.451
Navigation of a unicycle-like mobile robot for environmental extremum seeking	Matveev, Alexey S.; Teimoori, Hamid; Savkin, Andrey V.	AUTOMATICA	47	1	85-91	2011	33	5.451
Range-only measurements based target following for wheeled mobile robots	Matveev, Alexey S.; Teimoori, Hamid; Savkin, Andrey V.	AUTOMATICA	47	1	177-184	2011	30	5.451
Consensus in switching networks with sectorial nonlinear couplings: Absolute stability approach	Proskurnikov, Anton	AUTOMATICA	49	2	488-495	2013	20	5.451
Average consensus in networks with nonlinearly delayed couplings and switching topology	Proskurnikov, Anton V.	AUTOMATICA	49	9	2928-2932	2013	17	5.451
Method for tracking of environmental level sets by a unicycle-like vehicle	Matveev, Alexey S.; Teimoori, Hamid; Savkin, Andrey V.	AUTOMATICA	48	9	2252-2261	2012	15	5.451
Periodical Solutions in a Pulse-Modulated Model of Endocrine Regulation With Time-Delay	Churilov, Alexander; Medvedev, Alexander; Mattsson, Per	IEEE TRANSACTIONS ON AUTOMATIC CONTROL	59	3	728-733	2014	12	4.27
Simultaneous Perturbation Stochastic Approximation for Tracking Under Unknown but Bounded Disturbances	Granichin, Oleg; Amelina, Natalia	IEEE TRANSACTIONS ON AUTOMATIC CONTROL	60	6	1653-1658	2015	12	4.27
Stable Walking Gaits for a Three-Link Planar Biped Robot With One Actuator	La Hera, Pedro X. Miranda, Shiriaev, Anton S.; Freidovich, Leonid B.; Mettin, Uwe; Gusev, Sergey V.	IEEE TRANSACTIONS ON ROBOTICS	29	3	589-601	2013	9	4.036
A state observer for continuous oscillating systems under intrinsic	Churilov, Alexander; Medvedev, Alexander; Shepeljavyi, Alexander	AUTOMATICA	48	6	1117-1122	2012	8	5.451

Article Title	Authors	Source	Volume	Issue	Pages	Publication Date	Times Cited	Journal Impact Factor
pulse-modulated feedback								
An impulse-to-impulse discrete-time mapping for a time-delay impulsive system	Churilov, Alexander N.; Medvedev, Alexander	AUTOMATICA	50	8	2187-2190	2014	8	5.451
A method for reactive navigation of nonholonomic under-actuated robots in maze-like environments	Matveev, A. S.; Hoy, M. C.; Savkin, A. V.	AUTOMATICA	49	5	1268-1274	2013	6	5.451
Exciting multi-DOF systems by feedback resonance	Efimov, Denis; Fradkov, Alexander; Iwasaki, Tetsuya	AUTOMATICA	49	6	1782-1789	2013	5	5.451
3D environmental extremum seeking navigation of a nonholonomic mobile robot	Matveev, Alexey S.; Hoy, Michael C.; Savkin, Andrey V.	AUTOMATICA	50	7	1802-1815	2014	4	5.451
A globally converging algorithm for reactive robot navigation among moving and deforming obstacles	Matveev, Alexey S.; Hoy, Michael C.; Savkin, Andrey V.	AUTOMATICA	54		292-304	2015	3	5.451
Passification based synchronization of nonlinear systems under communication constraints and bounded disturbances	Fradkov, Alexander L.; Andrievsky, Boris; Ananyevskiy, Mikhail S.	AUTOMATICA	55		287-293	2015	2	5.451
Passification-based adaptive control: Uncertain input and output delays	Selivanov, Anton; Fridman, Emilia; Fradkov, Alexander	AUTOMATICA	54		107-113	2015	2	5.451
Robot navigation for monitoring unsteady environmental boundaries without field gradient estimation	Matveev, Alexey S.; Hoy, Michael Colin; Ovchinnikov, Kirill; Anisimov, Alexander; Savkin, Andrey V.	AUTOMATICA	62		227-235	2015	2	5.451
Compensation of disturbances for MIMO systems with quantized output	Furtat, Igor B.; Fradkov, Alexander L.; Liberzon, Daniel	AUTOMATICA	60		239-244	2015	1	5.451