

# Asghar Taheri

## List of Publications by Year in descending order

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45  
papers

698  
citations

623734

14  
h-index

552781

26  
g-index

45  
all docs

45  
docs citations

45  
times ranked

710  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multilevel Inverter based on switched-capacitor with reduced component count. International Journal of Electronics, 2022, 109, 200-220.	1.4	6
2	A novel analog controller design scheme for LLC resonant converter used in battery charging application. IET Power Electronics, 2022, 15, 802-814.	2.1	0
3	PI Regulator-Based Duty Cycle Control to Reduce Torque and Flux Ripples in DTC of Six-Phase Induction Motor. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 354-370.	5.4	13
4	<sc>Switchedâ€capacitor inductor Zâ€source</sc> inverter with an impedance network. International Transactions on Electrical Energy Systems, 2021, 31, e12529.	1.9	7
5	Extra Freedom Degrees of Six-Phase Induction Motors Used to Diagnose Stator Inter-Turn Faults. Electric Power Components and Systems, 2021, 49, 294-307.	1.8	6
6	Adaptive Global Sliding Mode Controller Design for Perturbed DC-DC Buck Converters. Energies, 2021, 14, 1249.	3.1	27
7	Quasi Zâ€source inverter with switchedâ€capacitorâ€inductor for enhancing boost factor. IET Power Electronics, 2021, 14, 2545-2562.	2.1	7
8	Sensorless Loss Model Control of the Six-Phase Induction Motor in All Speed Range by Extended Kalman Filter. IEEE Access, 2020, 8, 118741-118750.	4.2	12
9	Sensorless Direct Torque Control of the Six-Phase Induction Motor by Fast Reduced Order Extended Kalman Filter. Complexity, 2020, 2020, 1-10.	1.6	9
10	Sliding mode control of Boost converter with jump flow switched system. Journal of the Franklin Institute, 2020, 357, 13734-13752.	3.4	3
11	A MRAS Based Model Predictive Control for Multi-Leg Based Multi-Drive System Used in Hot Rolling Mill Applications. IEEE Access, 2020, 8, 215493-215504.	4.2	7
12	A multilevel inverter using switched capacitors with reduced components. IET Power Electronics, 2020, 13, 3954-3962.	2.1	7
13	Boost Convertersâ€™ Proximate Constrained Time-Optimal Sliding Mode Control Based on Hybrid Switching Model. Complexity, 2019, 2019, 1-14.	1.6	2
14	An Asymmetric Switched Capacitor Multilevel Inverter With Component Reduction. IEEE Access, 2019, 7, 127166-127176.	4.2	40
15	New topology of a switchedâ€capacitorâ€based multilevel inverter with a single DC power supply. IET Power Electronics, 2019, 12, 1571-1584.	2.1	14
16	A Novel Vector Control Strategy for a Six-Phase Induction Motor with Low Torque Ripples and Harmonic Currents. Energies, 2019, 12, 1102.	3.1	21
17	Gas sensor array assisted with UV illumination for discriminating several analytes at room temperature. Micro and Nano Letters, 2019, 14, 1064-1068.	1.3	4
18	Robust output regulation of Zeta converter with load/input variations: LMI approach. Control Engineering Practice, 2019, 84, 102-111.	5.5	19

#	ARTICLE	IF	CITATIONS
19	Modified DTC of a Six-Phase Induction Motor With a Second-Order Sliding-Mode MRAS-Based Speed Estimator. IEEE Transactions on Power Electronics, 2019, 34, 600-611.	7.9	65
20	Direct Torque Control of Six-Phase Induction Motor With a Novel MRAS-Based Stator Resistance Estimator. IEEE Transactions on Industrial Electronics, 2018, 65, 7685-7696.	7.9	53
21	Constrained Near-Time-Optimal Sliding-Mode Control of Boost Converters Based on Switched Affine Model Analysis. IEEE Transactions on Industrial Electronics, 2018, 65, 887-897.	7.9	28
22	Voltage-mode robust controller design for DC-DC boost converter at the presence of wide load and input voltage variations based on finite-state machine model. IET Power Electronics, 2018, 11, 866-875.	2.1	5
23	A new model predictive control algorithm by reducing the computing time of cost function minimization for NPC inverter in three-phase power grids. ISA Transactions, 2017, 71, 391-402.	5.7	27
24	New bidirectional multilevel inverter topology with staircase cascading for symmetric and asymmetric structures. IET Power Electronics, 2017, 10, 1315-1323.	2.1	80
25	Reduction of Power Electronic Components in Multilevel Converters Using New Switched Capacitor-Diode Structure. IEEE Transactions on Industrial Electronics, 2016, 63, 7204-7214.	7.9	56
26	Full-order Luenberger observer based on fuzzy-logic control for sensorless field-oriented control of a single-sided linear induction motor. ISA Transactions, 2016, 60, 96-108.	5.7	35
27	Harmonic reduction of Direct Torque Control of six-phase induction motor. ISA Transactions, 2016, 63, 299-314.	5.7	16
28	MRAS Based Speed Estimator for Sensorless Vector Control of a Linear Induction Motor with Improved Adaptation Mechanisms. Journal of Power Electronics, 2015, 15, 1274-1285.	1.5	15
29	Digital Controller Design based on Time Domain for DC-DC Buck Converter. International Journal of Engineering, Transactions B: Applications, 2015, 28, .	0.7	1
30	Digital controller design based on high order ideal controller patterning for DC-DC buck converter. , 2014, , .		3
31	Speed sensor-less estimation and predictive control of six-phase induction motor using extended kalman filter. , 2014, , .		4
32	The Effectiveness of Family-Based DOTS versus Professional-Family Mix DOTS in Treating Smears Positive Tuberculosis. Health Promotion Perspectives, 2014, 4, 98-106.	1.9	1
33	Control strategy for DC micro grid to supply AC loads. , 2013, , .		2
34	Efficiency Optimization of Six-phase Induction Motors by Fuzzy Controller. Elektronika Ir Elektrotehnika, 2013, 19, .	0.8	3
35	EKF modeling of field oriented control of six-phase induction motor. IEICE Electronics Express, 2012, 9, 642-647.	0.8	5
36	Efficiency Improvement in DTC of Six-Phase Induction Machine by Adaptive Gradient Descent of Flux. IEEE Transactions on Power Electronics, 2012, 27, 1552-1562.	7.9	64

#	ARTICLE	IF	CITATIONS
37	Comparison of Efficiency for Different Switching Tables in Six-Phase Induction Motor DTC Drive. Journal of Power Electronics, 2012, 12, 128-135.	1.5	17
38	Energy Optimization of Field Oriented Six-Phase Induction Motor Drive. Advances in Electrical and Computer Engineering, 2011, 11, 107-112.	0.9	10
39	DSP-based Adaptive Control of 3 axes Stabilizer. , 2007, , .		0
40	Adaptive Position control of three degrees freedom platform. , 2006, , .		1
41	Using Adaptive Control in Picture Stabilizer. , 2006, , .		1
42	Fuzzy Hidden Markov Models and fuzzy NN Models in Speaker Recognition. , 2006, , .		2
43	Analysis and Modeling NCCS Algorithm in Cellular Mobile Communication. , 2005, , .		0
44	Analysis Influence of NFD Filter in FSK Modulation for Reduction ISI. , 2005, , .		0
45	A new reactive power compensation concept for distribution systems using a gridâ€integrated hybrid photovoltaic/wind turbine system: PVâ€WTâ€STATCOM. International Journal of Circuit Theory and Applications, 0, , .	2.0	0