

# Zi-Qiang Lang

## List of Publications by Year in Descending Order

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

152  
papers

3,005  
citations

31  
h-index

49  
g-index

168  
ext. papers

3,562  
ext. citations

3.4  
avg, IF

5.49  
L-index

#	Paper	IF	Citations
152	On-line Rotor Systems Condition Monitoring Using Nonlinear Output Frequency Response Functions under Harmonic Excitations. <i>IEEE Transactions on Industrial Informatics</i> , <b>2022</b> , 1-1	11.9	
151	Impact properties of uniaxially thermoformed auxetic foams. <i>International Journal of Impact Engineering</i> , <b>2022</b> , 163, 104176	4	3
150	Nonlinear output frequency response functions: A new evaluation approach and applications to railway and manufacturing systems condition monitoring. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 163, 108179	7.8	6
149	Anisotropy in conventional and uniaxially thermoformed auxetic polymer foams. <i>Composites Part B: Engineering</i> , <b>2022</b> , 237, 109849	10	0
148	Integrated Identification of the Nonlinear Autoregressive Models With Exogenous Inputs (NARX) for Engineering Systems Design. <i>IEEE Transactions on Control Systems Technology</i> , <b>2022</b> , 1-8	4.8	0
147	A dynamic poroelastic model for auxetic polyurethane foams involving viscoelasticity and pneumatic damping effects in the linear regime. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 179, 109375	7.8	1
146	A data-driven modelling based approach to evaluating prognostic value of Electrical Impedance Spectroscopy for cervical cancer diagnosis. <i>IFAC-PapersOnLine</i> , <b>2021</b> , 54, 203-208	0.7	0
145	Cervical Cancer Prognosis and Diagnosis Using Electrical Impedance Spectroscopy.. <i>Journal of Electrical Bioimpedance</i> , <b>2021</b> , 12, 153-162	1.5	0
144	Orthogonal Least Squares Based Fast Feature Selection for Linear Classification. <i>Pattern Recognition</i> , <b>2021</b> , 123, 108419	7.7	1
143	Nonlinear model standardization for the analysis and design of nonlinear systems with multiple equilibria. <i>Nonlinear Dynamics</i> , <b>2021</b> , 104, 2553-2571	5	0
142	An output-only ARX model-based sensor fusion framework on structural dynamic measurements using distributed optical fiber sensors and fiber Bragg grating sensors. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 152, 107439	7.8	5
141	A Novel Integrated Approach to Characterization of Petroleum Naphtha Properties From Near-Infrared Spectroscopy. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-13	5.2	3
140	Dynamic Event-Triggered SMC of Multi-agent Systems for Consensus Tracking. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 1-1	3.5	4
139	Topological characteristics and mechanical properties of uniaxially thermoformed auxetic foam. <i>Materials and Design</i> , <b>2021</b> , 211, 110139	8.1	5
138	Semi-actively Implemented Non-linear Damping for Building Isolation Under Seismic Loadings. <i>Frontiers in Built Environment</i> , <b>2020</b> , 6,	2.2	2
137	Modeling and Optimization of the Cement Calcination Process for Reducing NOx Emission Using an Improved Just-In-Time Gaussian Mixture Regression. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 4987-4999	3.9	4
136	SCADA-data-based wind turbine fault detection: A dynamic model sensor method. <i>Control Engineering Practice</i> , <b>2020</b> , 102, 104546	3.9	20

135	Large stiffness thermoformed open cell foams with auxeticity. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100775-6	5.6	6
134	A new convergence analysis for the Volterra series representation of nonlinear systems. <i>Automatica</i> , <b>2020</b> , 111, 108599	5.7	10
133	Weighted contribution rate of nonlinear output frequency response functions and its application to rotor system fault diagnosis. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 460, 114882	3.9	16
132	Analysis and optimal design of a vibration isolation system combined with electromagnetic energy harvester. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2019</b> , 30, 2382-2395	2.3	5
131	Calibrating static measurement data from distributed fiber optics by the integration of limited FBG sensors based on the extended kernel regression method. <i>Measurement Science and Technology</i> , <b>2019</b> , 30, 125102	2	1
130	Baseline model based structural health monitoring method under varying environment. <i>Renewable Energy</i> , <b>2019</b> , 138, 1166-1175	8.1	5
129	Data Driven Evaluation of Nonlinear Output Frequency Response Functions with Applications to Structural System Fault Diagnosis <b>2019</b> ,		5
128	Gain-Scheduled Control of Linear Differential Inclusions Subject to Actuator Saturation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 8051-8059	8.9	1
127	Nonlinear damping based semi-active building isolation system. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 424, 302-317	3.9	13
126	The effects of linear and nonlinear characteristic parameters on the output frequency responses of nonlinear systems: The associated output frequency response function. <i>Automatica</i> , <b>2018</b> , 93, 422-427	5.7	10
125	System identification-based frequency domain feature extraction for defect detection and characterization. <i>NDT and E International</i> , <b>2018</b> , 98, 70-79	4.1	9
124	Wavelet Energy Transmissibility Function and Its Application to Wind Turbine Bearing Condition Monitoring. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 1833-1843	8.2	14
123	Design of Nonlinear Systems in the Frequency Domain: An Output Frequency Response Function-Based Approach. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 1358-1371	4.8	13
122	Applications of NARMAX in Space Weather <b>2018</b> , 203-236		5
121	Optimal design of the inlet temperature based periodic operation of non-isothermal CSTR using nonlinear output frequency response functions. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 620-625	0.7	4
120	Fault Detection of Nonlinear Rotor Bearing Systems by Using the Nonlinear Output Frequency Response Functions (NOFRFs) <b>2018</b> ,		1
119	Nonlinear Design and Optimisation of a Vibration Energy Harvester <b>2018</b> ,		2
118	The analysis of nonlinear systems in the frequency domain using Nonlinear Output Frequency Response Functions. <i>Automatica</i> , <b>2018</b> , 94, 452-457	5.7	27

117	Finite-Time $\mathcal{L}_2$ Leader-Follower Consensus of Networked Euler-Lagrange Systems With External Disturbances. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2018</b> , 48, 1920-1928	7.3	66
116	Generalized Transmissibility Damage Indicator With Application to Wind Turbine Component Condition Monitoring. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 6347-6359	8.9	13
115	A New Efficient System Identification Method for Nonlinear Multiple Degree-of-Freedom Structural Dynamic Systems. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2016</b> , 11,	1.4	2
114	Analysis of the dynamic characteristics of a slant-cracked cantilever beam. <i>Mechanical Systems and Signal Processing</i> , <b>2016</b> , 75, 261-279	7.8	29
113	Vibration Control of Systems in Presence of Hard Nonlinearities. <i>Shock and Vibration</i> , <b>2016</b> , 2016, 1-2	1.1	
112	Analysis of output response of nonlinear systems using nonlinear output frequency response functions <b>2016</b> ,		3
111	Dispersion analysis for broadband guided wave using generalized warblelet transform. <i>Journal of Sound and Vibration</i> , <b>2016</b> , 367, 22-36	3.9	19
110	Frequency Domain Analysis and Design of Nonlinear Systems based on Volterra Series Expansion. <i>Understanding Complex Systems</i> , <b>2015</b> ,	0.4	29
109	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 6558-6564	8.9	49
108	A New Transmissibility Analysis Method for Detection and Location of Damage via Nonlinear Features in MDOF Structural Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2015</b> , 20, 1933-1947	5.5	27
107	Using Nonlinearity for Output Vibration Suppression: An Application Study. <i>Understanding Complex Systems</i> , <b>2015</b> , 179-205	0.4	
106	Parametric Characteristic Analysis. <i>Understanding Complex Systems</i> , <b>2015</b> , 53-63	0.4	
105	Mapping from Parametric Characteristics to the GFRFs and Output Spectrum. <i>Understanding Complex Systems</i> , <b>2015</b> , 207-235	0.4	
104	The Parametric Characteristics Based Output Spectrum Analysis. <i>Understanding Complex Systems</i> , <b>2015</b> , 113-131	0.4	
103	Magnitude Bound Characteristics of Nonlinear Frequency Response Functions. <i>Understanding Complex Systems</i> , <b>2015</b> , 269-296	0.4	
102	Output Frequency Characteristics of Nonlinear Systems. <i>Understanding Complex Systems</i> , <b>2015</b> , 31-52	0.4	
101	The Alternating Series Approach to Nonlinear Influence in the Frequency Domain. <i>Understanding Complex Systems</i> , <b>2015</b> , 237-268	0.4	
100	Nonlinear Characteristic Output Spectrum. <i>Understanding Complex Systems</i> , <b>2015</b> , 153-177	0.4	

99	The Parametric Characteristics of Nonlinear Output Spectrum and Applications. <i>Understanding Complex Systems</i> , <b>2015</b> , 83-111	0.4	
98	Determination of Nonlinear Output Spectrum Based on Its Parametric Characteristics: Some Theoretical Issues. <i>Understanding Complex Systems</i> , <b>2015</b> , 133-151	0.4	
97	The Generalized Frequency Response Functions and Output Spectrum of Nonlinear Systems. <i>Understanding Complex Systems</i> , <b>2015</b> , 9-30	0.4	
96	Design of vibration isolators by exploiting the beneficial effects of stiffness and damping nonlinearities. <i>Journal of Sound and Vibration</i> , <b>2014</b> , 333, 2489-2504	3.9	29
95	A frequency domain analysis of the effects of nonlinear damping on the Duffing equation. <i>Mechanical Systems and Signal Processing</i> , <b>2014</b> , 45, 49-67	7.8	31
94	Spatial frequency range analysis for the nonlinear Schrödinger equation. <i>Nonlinear Dynamics</i> , <b>2014</b> , 78, 93-102	5	2
93	Fault diagnosis methodology based on nonlinear system modelling and frequency analysis. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 8278-8285		4
92	Optimal placement and design of nonlinear dampers for building structures in the frequency domain. <i>Earthquake and Structures</i> , <b>2014</b> , 7, 1025-1044		10
91	A parametric frequency response method for non-linear time-varying systems. <i>International Journal of Systems Science</i> , <b>2014</b> , 45, 2133-2144	2.3	8
90	The use of Volterra series in the analysis of the nonlinear Schrödinger equation. <i>Nonlinear Dynamics</i> , <b>2013</b> , 73, 1587-1599	5	4
89	Volterra Series Approximation of a Class of Nonlinear Dynamical Systems Using the Adomian Decomposition Method. <i>Nonlinear Dynamics</i> , <b>2013</b> , 74, 359-371	5	15
88	System identification methods for metal rubber devices. <i>Mechanical Systems and Signal Processing</i> , <b>2013</b> , 39, 207-226	7.8	18
87	A Volterra series representation for a class of nonlinear infinite dimensional systems with periodic boundary conditions. <i>Systems and Control Letters</i> , <b>2013</b> , 62, 115-123	2.4	5
86	Output frequency response function based design of additional nonlinear viscous dampers for vibration control of multi-degree-of-freedom systems. <i>Journal of Sound and Vibration</i> , <b>2013</b> , 332, 4461-4481	3.9	34
85	Vibration isolation using nonlinear damping implemented by a feedback-controlled MR damper. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 105010	3.4	27
84	Time-frequency data fusion technique with application to vibration signal analysis. <i>Mechanical Systems and Signal Processing</i> , <b>2012</b> , 29, 164-173	7.8	17
83	Analysis and design of the force and displacement transmissibility of nonlinear viscous damper based vibration isolation systems. <i>Nonlinear Dynamics</i> , <b>2012</b> , 67, 2671-2687	5	61
82	A New Method for Determining the Generalised Frequency Response Functions of Nonlinear Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2012</b> , 59, 3005-3014	3.9	5

81	Reducing force transmissibility in multiple degrees of freedom structures through anti-symmetric nonlinear viscous damping. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2012</b> , 28, 1436-1448	2	6
80	A Volterra series approach to the frequency domain analysis of non-linear viscous Burgers□ equation. <i>Nonlinear Dynamics</i> , <b>2012</b> , 70, 1753-1765	5	4
79	The benefits of nonlinear cubic viscous damping on the force transmissibility of a Duffing-type vibration isolator <b>2012</b> ,		7
78	MR damper based implementation of nonlinear damping for a pitch plane suspension system. <i>Smart Materials and Structures</i> , <b>2012</b> , 21, 045006	3.4	18
77	Study of the effects of cubic nonlinear damping on vibration isolations using Harmonic Balance Method. <i>International Journal of Non-Linear Mechanics</i> , <b>2012</b> , 47, 1073-1080	2.8	84
76	Evaluation of transmissibility for a class of nonlinear passive vibration isolators. <i>Frontiers of Mechanical Engineering</i> , <b>2012</b> , 7, 401-409	3.3	3
75	Application of non-linear damping to vibration isolation: an experimental study. <i>Nonlinear Dynamics</i> , <b>2012</b> , 69, 409-421	5	37
74	CHARACTERIZING NONLINEAR SPATIO-TEMPORAL SYSTEMS IN THE FREQUENCY DOMAIN. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2012</b> , 22, 1230009	2	1
73	Location for high impedance fault and polluted insulator in transmission line-based non-linear frequency analysis. <i>International Journal of Computer Applications in Technology</i> , <b>2012</b> , 43, 51	0.7	
72	Polynomial Chirplet Transform With Application to Instantaneous Frequency Estimation. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2011</b> , 60, 3222-3229	5.2	144
71	The force transmissibility of MDOF structures with a non-linear viscous damping device. <i>International Journal of Non-Linear Mechanics</i> , <b>2011</b> , 46, 1305-1314	2.8	27
70	On the distribution of nonlinear effects in locally nonlinear one-dimensional chain type structures. <i>International Journal of Mechanical Sciences</i> , <b>2011</b> , 53, 226-235	5.5	4
69	Transmissibility of non-linear output frequency response functions with application in detection and location of damage in MDOF structural systems. <i>International Journal of Non-Linear Mechanics</i> , <b>2011</b> , 46, 841-853	2.8	36
68	Feasibility study of structural damage detection using NARMAX modelling and Nonlinear Output Frequency Response Function based analysis. <i>Mechanical Systems and Signal Processing</i> , <b>2011</b> , 25, 1045-1061	7.8	60
67	Nonlinear influence in the frequency domain: Alternating series. <i>Systems and Control Letters</i> , <b>2011</b> , 60, 295-309	2.4	39
66	A novel baseline model-based technique for condition monitoring of wind turbine components. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , <b>2011</b> , 53, 434-438	1.3	
65	Numerical Investigation of the Effects of MR Damper Characteristic Parameters on Vibration Isolation of SDOF Systems Under Harmonic Excitations. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2010</b> , 21, 483-501	2.3	8
64	Locating Nonlinear Components in Periodic Structures using Nonlinear Effects. <i>Structural Health Monitoring</i> , <b>2010</b> , 9, 401-411	4.4	7

63	The Nonlinear Output Frequency Response Functions of One-Dimensional Chain Type Structures. <i>Journal of Applied Mechanics, Transactions ASME, 2010, 77,</i>	2.7	7
62	The Transmissibility of Vibration Isolators With a Nonlinear Antisymmetric Damping Characteristic. <i>Journal of Vibration and Acoustics, Transactions of the ASME, 2010, 132,</i>	1.6	22
61	Output frequency properties of nonlinear systems. <i>International Journal of Non-Linear Mechanics, 2010, 45, 681-690</i>	2.8	43
60	High Impedance Fault Location in Transmission Line Using Nonlinear Frequency Analysis. <i>Lecture Notes in Computer Science, 2010, 104-111</i>	0.9	2
59	Analytical Description of the Frequency Response Function of the Generalized Higher Order Duffing Oscillator Model. <i>IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 224-232</i>	3.9	3
58	On the Generalized Frequency Response Functions of Volterra Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2009, 131,</i>	1.6	15
57	Frequency domain analysis of a dimensionless cubic nonlinear damping system subject to harmonic input. <i>Nonlinear Dynamics, 2009, 58, 469-485</i>	5	53
56	Determination of the analytical parametric relationship for output spectrum of Volterra systems based on its parametric characteristics. <i>Journal of Mathematical Analysis and Applications, 2009, 351, 694-706</i>	1.1	15
55	Theoretical study of the effects of nonlinear viscous damping on vibration isolation of s dof systems. <i>Journal of Sound and Vibration, 2009, 323, 352-365</i>	3.9	110
54	Frequency-Dependent Magnitude Bounds of the Generalized Frequency Response Functions for NARX Model. <i>European Journal of Control, 2009, 15, 68-83</i>	2.5	9
53	Suppressing Resonant Vibrations Using Nonlinear Springs and Dampers. <i>JVC/Journal of Vibration and Control, 2009, 15, 1731-1744</i>	2	19
52	Analysis of Locally Nonlinear MDOF Systems Using Nonlinear Output Frequency Response Functions. <i>Journal of Vibration and Acoustics, Transactions of the ASME, 2009, 131,</i>	1.6	8
51	The design of energy transfer filters for energy focus filtering. <i>International Journal of Control, 2008, 81, 214-226</i>	1.5	3
50	Mapping from parametric characteristics to generalized frequency response functions of non-linear systems. <i>International Journal of Control, 2008, 81, 1071-1088</i>	1.5	30
49	Novel method for detecting the non-linear components in periodic structures. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 903-910</i> <sup>1,3</sup>	1.3	4
48	Frequency domain analysis for non-linear Volterra systems with a general non-linear output function. <i>International Journal of Control, 2008, 81, 235-251</i>	1.5	21
47	An effective method for locating nonlinear components in periodic structures. <i>Journal of Physics: Conference Series, 2008, 96, 012016</i>	0.3	2
46	Constructing an overall dynamical model for a system with changing design parameter properties. <i>International Journal of Modelling, Identification and Control, 2008, 5, 93</i>	0.6	22

45	Comparisons between harmonic balance and nonlinear output frequency response function in nonlinear system analysis. <i>Journal of Sound and Vibration</i> , <b>2008</b> , 311, 56-73	3.9	83
44	Frequency domain analysis for suppression of output vibration from periodic disturbance using nonlinearities. <i>Journal of Sound and Vibration</i> , <b>2008</b> , 314, 536-557	3.9	42
43	A novel approach for nonlinearity detection in vibrating systems. <i>Journal of Sound and Vibration</i> , <b>2008</b> , 314, 603-615	3.9	35
42	A novel nonlinear approach to suppress resonant vibrations. <i>Journal of Sound and Vibration</i> , <b>2008</b> , 317, 918-936	3.9	7
41	The effects of nonlinearity on the output frequency response of a passive engine mount. <i>Journal of Sound and Vibration</i> , <b>2008</b> , 318, 313-328	3.9	27
40	Numerical analysis of cracked beams using nonlinear output frequency response functions. <i>Computers and Structures</i> , <b>2008</b> , 86, 1809-1818	4.5	34
39	Output frequency response function-based analysis for nonlinear Volterra systems. <i>Mechanical Systems and Signal Processing</i> , <b>2008</b> , 22, 102-120	7.8	36
38	Nonlinear parameter estimation for multi-degree-of-freedom nonlinear systems using nonlinear output frequency-response functions. <i>Mechanical Systems and Signal Processing</i> , <b>2008</b> , 22, 1582-1594	7.8	22
37	Magnitude bounds of generalized frequency response functions for nonlinear Volterra systems described by NARX model. <i>Automatica</i> , <b>2008</b> , 44, 838-845	5.7	24
36	Correction on some typos in New bound characteristics of NARX model in the frequency domain□ <i>International Journal of Control</i> , <b>2007</b> , 80, 492-494	1.5	2
35	Output frequency response function of nonlinear Volterra systems. <i>Automatica</i> , <b>2007</b> , 43, 805-816	5.7	117
34	Analysis of bilinear oscillators under harmonic loading using nonlinear output frequency response functions. <i>International Journal of Mechanical Sciences</i> , <b>2007</b> , 49, 1213-1225	5.5	45
33	Non-linear output frequency response functions of MDOF systems with multiple non-linear components. <i>International Journal of Non-Linear Mechanics</i> , <b>2007</b> , 42, 941-958	2.8	22
32	Detecting the position of non-linear component in periodic structures from the system responses to dual sinusoidal excitations. <i>International Journal of Non-Linear Mechanics</i> , <b>2007</b> , 42, 1074-1083	2.8	18
31	Resonances and resonant frequencies for a class of nonlinear systems. <i>Journal of Sound and Vibration</i> , <b>2007</b> , 300, 993-1014	3.9	46
30	Crack detection using nonlinear output frequency response functions. <i>Journal of Sound and Vibration</i> , <b>2007</b> , 301, 777-788	3.9	108
29	On the convergence of the Volterra-series representation of the Duffing's oscillators subjected to harmonic excitations. <i>Journal of Sound and Vibration</i> , <b>2007</b> , 305, 322-332	3.9	35
28	Linear parameter estimation for multi-degree-of-freedom nonlinear systems using nonlinear output frequency-response functions. <i>Mechanical Systems and Signal Processing</i> , <b>2007</b> , 21, 3108-3122	7.8	17



27	An Algorithm for Determining the Output Frequency Range of Volterra Models With Multiple Inputs. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , <b>2007</b> , 54, 532-536		7
26	New bound characteristics of NARX model in the frequency domain. <i>International Journal of Control</i> , <b>2007</b> , 80, 140-149	1.5	32
25	Non-linear output frequency response functions for multi-input non-linear Volterra systems. <i>International Journal of Control</i> , <b>2007</b> , 80, 843-855	1.5	25
24	Relationship between harmonic balance method and non-linear output frequency response function approach. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2007</b> , 221, 1533-1543	1.3	4
23	A system identification based approach for pulsed eddy current non-destructive evaluation. <i>Measurement Science and Technology</i> , <b>2007</b> , 18, 2083-2091	2	12
22	Analysis of Output Frequencies of Nonlinear Systems. <i>IEEE Transactions on Signal Processing</i> , <b>2007</b> , 55, 3239-3246	4.8	9
21	The Nonlinear Output Frequency Response Function and its Application to Fault Detection <b>2007</b> , 36-41		1
20	A new method for the design of energy transfer filters. <i>International Journal of Control</i> , <b>2006</b> , 79, 968-981	1.5	3
19	The parametric characteristic of frequency response functions for nonlinear systems. <i>International Journal of Control</i> , <b>2006</b> , 79, 1552-1564	1.5	40
18	Suppressing resonant vibrations via energy transfer concepts. <i>Structural Control and Health Monitoring</i> , <b>2006</b> , 13, 523-535	4.5	2
17	Analytical description of the effects of system nonlinearities on output frequency responses: A case study. <i>Journal of Sound and Vibration</i> , <b>2006</b> , 295, 584-601	3.9	25
16	An investigation into the characteristics of non-linear frequency response functions. Part 2: New analysis methods based on symbolic expansions and graphical techniques. <i>International Journal of Control</i> , <b>2005</b> , 78, 1130-1149	1.5	11
15	THE IDENTIFICATION OF A CLASS OF NONLINEAR SYSTEMS USING A CORRELATION ANALYSIS APPROACH. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 208-212		2
14	An Orthogonal Least Squares based approach to FIR designs. <i>International Journal of Automation and Computing</i> , <b>2005</b> , 2, 163-170	3.5	7
13	Energy transfer properties of non-linear systems in the frequency domain. <i>International Journal of Control</i> , <b>2005</b> , 78, 345-362	1.5	117
12	An investigation into the characteristics of non-linear frequency response functions. Part 1: Understanding the higher dimensional frequency spaces. <i>International Journal of Control</i> , <b>2005</b> , 78, 1031-1044	1.5	30
11	Accurate computation of output frequency responses of nonlinear systems <b>2004</b> ,		2
10	Non-linear systems in the frequency domain: Energy transfer filters. <i>International Journal of Control</i> , <b>2002</b> , 75, 1066-1081	1.5	25

9	Evaluation of output frequency responses of nonlinear systems under multiple inputs. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , <b>2000</b> , 47, 28-38		33
8	Truncation of nonlinear system expansions in the frequency domain. <i>International Journal of Control</i> , <b>1997</b> , 68, 1019-1042	1.5	12
7	Output frequencies of nonlinear systems. <i>International Journal of Control</i> , <b>1997</b> , 67, 713-730	1.5	40
6	A nonparametric polynomial identification algorithm for the Hammerstein system. <i>IEEE Transactions on Automatic Control</i> , <b>1997</b> , 42, 1435-1441	5.9	50
5	A bound for the magnitude characteristics of nonlinear output frequency response functions Part 2: Practical computation of the bound for systems described by the nonlinear autoregressive model with exogenous input. <i>International Journal of Control</i> , <b>1996</b> , 65, 365-384	1.5	6
4	A bound for the magnitude characteristics of nonlinear output frequency response functions Part 1. Analysis and computation. <i>International Journal of Control</i> , <b>1996</b> , 65, 309-328	1.5	27
3	Output frequency characteristics of nonlinear systems. <i>International Journal of Control</i> , <b>1996</b> , 64, 1049-1067	1.5	146
2	Controller design oriented model identification method for Hammerstein system. <i>Automatica</i> , <b>1993</b> , 29, 767-771	5.7	34
1	Beneficial effects of antisymmetric nonlinear damping with application to energy harvesting and vibration isolation under general inputs. <i>Nonlinear Dynamics</i> , 1	5	0