

Andrei M Shkel

List of Publications by Year in descending order

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179
papers

4,244
citations

126907

33
h-index

149698

56
g-index

195
all docs

195
docs citations

195
times ranked

2002
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of the Dubins set. Robotics and Autonomous Systems, 2001, 34, 179-202.	5.1	194
2	Structural design and experimental characterization of torsional micromachined gyroscopes with non-resonant drive mode. Journal of Micromechanics and Microengineering, 2004, 14, 15-25.	2.6	156
3	MEMS Vibratory Gyroscopes. MEMS Reference Shelf, 2009, , .	0.6	152
4	Compensation of drifts in high-Q MEMS gyroscopes using temperature self-sensing. Sensors and Actuators A: Physical, 2013, 201, 517-524.	4.1	125
5	Environmentally Robust MEMS Vibratory Gyroscopes for Automotive Applications. IEEE Sensors Journal, 2009, 9, 1895-1906.	4.7	115
6	Active structural error suppression in MEMS vibratory rate integrating gyroscopes. IEEE Sensors Journal, 2003, 3, 595-606.	4.7	104
7	Glass Blowing on a Wafer Level. Journal of Microelectromechanical Systems, 2007, 16, 232-239.	2.5	98
8	Demonstration of 1 Million Q -Factor on Microglassblown Wineglass Resonators With Out-of-Plane Electrostatic Transduction. Journal of Microelectromechanical Systems, 2015, 24, 29-37.	2.5	98
9	High Quality Factor Resonant MEMS Accelerometer With Continuous Thermal Compensation. IEEE Sensors Journal, 2015, 15, 5045-5052.	4.7	98
10	Inherently Robust Micromachined Gyroscopes With 2-DOF Sense-Mode Oscillator. Journal of Microelectromechanical Systems, 2006, 15, 380-387.	2.5	81
11	Experimental evaluation and comparative analysis of commercial variable-capacitance MEMS accelerometers. Journal of Micromechanics and Microengineering, 2003, 13, 634-645.	2.6	80
12	Snap-Action Bistable Micromechanisms Actuated by Nonlinear Resonance. Journal of Microelectromechanical Systems, 2008, 17, 1082-1093.	2.5	80
13	High-Range Angular Rate Sensor Based on Mechanical Frequency Modulation. Journal of Microelectromechanical Systems, 2012, 21, 398-405.	2.5	78
14	An approach for increasing drive-mode bandwidth of MEMS vibratory gyroscopes. Journal of Microelectromechanical Systems, 2005, 14, 520-528.	2.5	72
15	Micromachined rate gyroscope architecture with ultra-high quality factor and improved mode ordering. Sensors and Actuators A: Physical, 2011, 165, 26-34.	4.1	72
16	Achieving Sub-Hz Frequency Symmetry in Micro-Glassblown Wineglass Resonators. Journal of Microelectromechanical Systems, 2014, 23, 30-38.	2.5	72
17	Low-Dissipation Silicon Tuning Fork Gyroscopes for Rate and Whole Angle Measurements. IEEE Sensors Journal, 2011, 11, 2763-2770.	4.7	67
18	High temperature micro-glassblowing process demonstrated on fused quartz and ULE TSG. Sensors and Actuators A: Physical, 2013, 201, 525-531.	4.1	65

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19	Structurally decoupled micromachined gyroscopes with post-release capacitance enhancement. Journal of Micromechanics and Microengineering, 2005, 15, 1092-1101.	2.6	64
20	Resonant Pull-In Condition in Parallel-Plate Electrostatic Actuators. Journal of Microelectromechanical Systems, 2007, 16, 1044-1053.	2.5	64
21	Microscale Glass-Blown Three-Dimensional Spherical Shell Resonators. Journal of Microelectromechanical Systems, 2011, 20, 691-701.	2.5	64
22	Glass-blown spherical microcells for chip-scale atomic devices. Sensors and Actuators A: Physical, 2008, 143, 175-180.	4.1	63
23	What is MEMS Gyrocompassing? Comparative Analysis of Maytagging and Carouseling. Journal of Microelectromechanical Systems, 2013, 22, 1257-1266.	2.5	63
24	Foucault pendulum on a chip: Rate integrating silicon MEMS gyroscope. Sensors and Actuators A: Physical, 2012, 177, 67-78.	4.1	59
25	Nonresonant micromachined gyroscopes with structural mode-decoupling. IEEE Sensors Journal, 2003, 3, 497-506.	4.7	58
26	Quality Factor Maximization Through Dynamic Balancing of Tuning Fork Resonator. IEEE Sensors Journal, 2014, 14, 2706-2714.	4.7	54
27	An Electronic Prosthesis Mimicking the Dynamic Vestibular Function. Audiology and Neuro-Otology, 2006, 11, 113-122.	1.3	52
28	Adaptive Threshold for Zero-Velocity Detector in ZUPT-Aided Pedestrian Inertial Navigation. , 2019, 3, 1-4.		45
29	Capacitive detection in resonant MEMS with arbitrary amplitude of motion. Journal of Micromechanics and Microengineering, 2007, 17, 1583-1592.	2.6	44
30	Ultra-high Q silicon gyroscopes with interchangeable rate and whole angle modes of operation. , 2010, , .		42
31	Error Analysis of ZUPT-Aided Pedestrian Inertial Navigation. , 2018, , .		40
32	Single-mask fabrication of high-G piezoresistive accelerometers with extended temperature range. Journal of Micromechanics and Microengineering, 2007, 17, 730-736.	2.6	39
33	Foucault pendulum on a chip: angle measuring silicon MEMS gyroscope. , 2011, , .		39
34	Folded MEMS Pyramid Inertial Measurement Unit. IEEE Sensors Journal, 2011, 11, 2780-2789.	4.7	38
35	MEMS Components for NMR Atomic Sensors. Journal of Microelectromechanical Systems, 2018, 27, 1148-1159.	2.5	35
36	Performance characterization of a new temperature-robust gain-bandwidth improved MEMS gyroscope operated in air. Sensors and Actuators A: Physical, 2009, 155, 16-22.	4.1	34

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37	Structural and thermal modeling of az-axis rate integrating gyroscope. Journal of Micromechanics and Microengineering, 2003, 13, 229-237.	2.6	33
38	Effects of Operational Frequency Scaling in Multi-Degree of Freedom MEMS Gyroscopes. IEEE Sensors Journal, 2008, 8, 1672-1680.	4.7	33
39	Three-Dimensional Spherical Shell Resonator Gyroscope Fabricated Using Wafer-Scale Glassblowing. Journal of Microelectromechanical Systems, 2012, 21, 509-510.	2.5	33
40	MEMS Gyroscope With Concentrated Springs Suspensions Demonstrating Single Digit Frequency Split and Temperature Robustness. Journal of Microelectromechanical Systems, 2019, 28, 25-35.	2.5	33
41	Study on Estimation Errors in ZUPT-Aided Pedestrian Inertial Navigation Due to IMU Noises. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2280-2291.	4.7	33
42	Electrostatic compensation of structural imperfections in dynamically amplified dual-mass gyroscope. Sensors and Actuators A: Physical, 2018, 275, 99-108.	4.1	32
43	Silicon accelerometer with differential Frequency Modulation and continuous self-calibration. , 2013, , .		31
44	An Ultrahigh Vacuum Packaging Process Demonstrating Over 2 Million Q-Factor in MEMS Vibratory Gyroscopes. , 2017, 1, 1-4.		31
45	A Novel Capacitive Detection Scheme With Inherent Self-Calibration. Journal of Microelectromechanical Systems, 2007, 16, 1324-1333.	2.5	30
46	Design and Demonstration of a Bulk Micromachined Fabry-Pérot μ g-Resolution Accelerometer. IEEE Sensors Journal, 2007, 7, 1653-1662.	4.7	29
47	A substrate energy dissipation mechanism in in-phase and anti-phase micromachined <i>z</i> -axis vibratory gyroscopes. Journal of Micromechanics and Microengineering, 2008, 18, 095016.	2.6	27
48	Factors affecting the performance of micromachined sensors based on Fabry-Pérot interferometry. Journal of Micromechanics and Microengineering, 2005, 15, 1770-1776.	2.6	26
49	Effect of annealing on mechanical quality factor of fused quartz hemispherical resonator. , 2014, , .		26
50	Utilization of mechanical quadrature in silicon MEMS vibratory gyroscope to increase and expand the long term in-run bias stability. , 2014, , .		25
51	Study on Mounting Position of IMU for Better Accuracy of ZUPT-Aided Pedestrian Inertial Navigation. , 2019, , .		25
52	Development of 3D Fused Quartz Hemi-Toroidal Shells for High-Q Resonators and Gyroscopes. Journal of Microelectromechanical Systems, 2019, 28, 954-964.	2.5	25
53	Rubidium vapor cell with integrated Bragg reflectors for compact atomic MEMS. Sensors and Actuators A: Physical, 2009, 154, 295-303.	4.1	24
54	MEMS Micro-glassblowing Paradigm for Wafer-level Fabrication of Fused Silica Wineglass Gyroscopes. Procedia Engineering, 2014, 87, 1489-1492.	1.2	24

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55	Compensation of frequency split by directional lapping in fused quartz micro wineglass resonators. Journal of Micromechanics and Microengineering, 2018, 28, 095001.	2.6	24
56	Electrostatic and mechanical characterization of 3-D micro-wineglass resonators. Sensors and Actuators A: Physical, 2014, 215, 150-154.	4.1	23
57	Vacuum sealed and getter activated MEMS Quad Mass Gyroscope demonstrating better than 1.2 million quality factor. , 2016, , .		23
58	Micromachined gyroscopes: challenges, design solutions, and opportunities. , 2001, , .		22
59	Multi-Degree of Freedom Tuning Fork Gyroscope Demonstrating Shock Rejection. , 2007, , .		22
60	High quality factor MEMS gyroscope with whole angle mode of operation. , 2018, , .		22
61	Pedestrian Inertial Navigation System Augmented by Vision-Based Foot-to-foot Relative Position Measurements. , 2020, , .		22
62	Origami-Like 3-D Folded MEMS Approach for Miniature Inertial Measurement Unit. Journal of Microelectromechanical Systems, 2017, 26, 1030-1039.	2.5	21
63	Fluxless silicon-to-alumina bonding using electroplated Au-Sn-Au structure at eutectic composition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 458, 101-107.	5.6	20
64	Controlled capacitive gaps for electrostatic actuation and tuning of 3D fused quartz micro wineglass resonator gyroscope. , 2017, , .		20
65	Frequency modulation based angular rate sensor. , 2011, , .		17
66	Study of High Aspect Ratio NLD Plasma Etching and Postprocessing of Fused Silica and Borosilicate Glass. Journal of Microelectromechanical Systems, 2015, 24, 790-800.	2.5	16
67	Analytical Closed-Form Estimation of Position Error on ZUPT-Augmented Pedestrian Inertial Navigation. , 2018, 2, 1-4.		16
68	Incorporating body dynamics into sensor-based motion planning: the maximum turn strategy. IEEE Transactions on Automation Science and Engineering, 1997, 13, 873-880.	2.3	15
69	Anti-Phase Driven Rate Gyroscope with Multi-Degree of Freedom Sense Mode. , 2007, , .		15
70	Minimal realization of dynamically balanced lumped mass WA gyroscope: dual foucault pendulum. , 2015, , .		15
71	A Laboratory Testbed for Self-Contained Navigation. , 2019, , .		15
72	Compensation of Systematic Errors in ZUPT-Aided Pedestrian Inertial Navigation. , 2020, , .		15

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73	Quantification of Energy Dissipation Mechanisms in Toroidal Ring Gyroscope. Journal of Microelectromechanical Systems, 2021, 30, 193-202.	2.5	15
74	A Pedestrian Indoor Navigation System Using Deep-Learning-Aided Cellular Signals and ZUPT-Aided Foot-Mounted IMUs. IEEE Sensors Journal, 2022, 22, 5188-5198.	4.7	15
75	Micromachined gyroscope concept allowing interchangeable operation in both robust and precision modes. Sensors and Actuators A: Physical, 2011, 165, 35-42.	4.1	14
76	Directional Ranging for Enhanced Performance of Aided Pedestrian Inertial Navigation. , 2019, , .		14
77	Versatile vacuum packaging for experimental study of resonant MEMS. , 2010, , .		13
78	Frequency split reduction by directional lapping of fused quartz micro wineglass resonators. , 2017, , .		13
79	Modeling the Effect of Imperfections in Glassblown Micro-Wineglass Fused Quartz Resonators. Journal of Vibration and Acoustics, Transactions of the ASME, 2017, 139, .	1.6	13
80	Scenario-Dependent ZUPT-Aided Pedestrian Inertial Navigation with Sensor Fusion. Gyroscopy and Navigation, 2021, 12, 1-16.	1.3	13
81	Design and demonstration of PECVD multilayer dielectric mirrors optimized for micromachined cavity angled sidewalls. Sensors and Actuators A: Physical, 2009, 155, 23-32.	4.1	12
82	Demonstration of a wide dynamic range angular rate sensor based on frequency modulation. , 2011, , .		12
83	Anti-phase mode isolation in tuning-fork MEMS using a lever coupling design. , 2012, , .		12
84	Deep NLD plasma etching of Fused Silica and Borosilicate Glass. , 2013, , .		12
85	High Quality Factor Mode Ordered Dual Foucault Pendulum Gyroscope. , 2018, , .		12
86	Identification of Gain Mismatches in Control Electronics of Rate Integrating CVGs. , 2021, , .		12
87	High and Moderate-Level Vacuum Packaging of Vibratory MEMS. International Symposium on Microelectronics, 2013, 2013, 000705-000710.	0.0	12
88	PINDOC: Pedestrian Indoor Navigation System Integrating Deterministic, Opportunistic, and Cooperative Functionalities. IEEE Sensors Journal, 2022, 22, 14424-14435.	4.7	12
89	Precision navigation and timing enabled by microtechnology: Are we there yet?. , 2011, , .		11
90	Compact roll-pitch-yaw gyroscope implemented in wafer-level Epitaxial Silicon Encapsulation process. , 2017, , .		11

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91	ZUPT-Aided INS Bypassing Stance Phase Detection by Using Foot-Instability-Based Adaptive Covariance. IEEE Sensors Journal, 2021, 21, 24338-24348.	4.7	11
92	A Reconstruction Filter for Saturated Accelerometer Signals Due to Insufficient FSR in Foot-Mounted Inertial Navigation System. IEEE Sensors Journal, 2022, 22, 695-706.	4.7	11
93	Fused Quartz Dual-Shell Resonator Gyroscope. Journal of Microelectromechanical Systems, 2022, 31, 533-545.	2.5	11
94	Chip-scale IMU using folded-mems approach. , 2010, , .		10
95	High-Q and wide dynamic range inertial MEMS for north-finding and tracking applications. , 2012, , .		10
96	A status on components development for folded micro NMR gyro. , 2017, , .		10
97	A Closed-Form Analytical Estimation of Vertical Displacement Error in Pedestrian Navigation. , 2020, , .		10
98	Performance of Quad Mass Gyroscope in the Angular Rate Mode. Micromachines, 2021, 12, 266.	2.9	10
99	Electrostatic regulation of quality factor in non-ideal tuning fork MEMS. , 2011, , .		9
100	Intrinsic stress of eutectic Au/Sn die attachment and effect on mode-matched MEMS gyroscopes. , 2014, , .		9
101	Design Considerations for Micro-Glassblown Atomic Vapor Cells. Journal of Microelectromechanical Systems, 2020, 29, 25-35.	2.5	9
102	Mechanical trimming with focused ion beam for permanent tuning of MEMS dual-mass gyroscope. Sensors and Actuators A: Physical, 2020, 313, 112189.	4.1	9
103	3D Dual-Shell Micro-Resonators for Harsh Environments. , 2020, , .		9
104	UWB Sensor Placement for Foot-to-Foot Ranging in Dual-Foot-Mounted ZUPT-Aided INS. , 2022, 6, 1-4.		9
105	<title>Identification of anisoelectricity for electrostatic trimming of rate-integrating gyroscopes</title>. , 2002, , .		8
106	Study of substrate energy dissipation mechanism in in-phase and anti-phase micromachined vibratory gyroscopes. , 2008, , .		8
107	Mode ordering in tuning fork structures with negative structural coupling for mitigation of common-mode g-sensitivity. , 2015, , .		8
108	Study on surface roughness improvement of Fused Quartz after thermal and chemical post-processing. , 2016, , .		8

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109	Design and Fabrication of 3D Fused Quartz Shell Resonators for Broad Range of Frequencies and Increased Decay Time. , 2018, , .		8
110	Fused Quartz Dual Shell Resonator. , 2019, , .		8
111	A Zero Velocity Detector for Foot-mounted Inertial Navigation Systems Aided by Downward-facing Range Sensor. , 2020, , .		8
112	A Hybrid Barometric/Ultrasonic Altimeter for Aiding ZUPT-based Inertial Pedestrian Navigation Systems. , 0, , .		8
113	On ordering of fundamental wineglass modes in toroidal ring gyroscope. , 2016, , .		7
114	A comparative study of conventional single-mass and amplitude amplified dual-mass MEMS Vibratory Gyroscopes. , 2017, , .		7
115	Characterization of Scale Factor Nonlinearities in Coriolis Vibratory Gyroscopes. , 2019, , .		7
116	Study on Mems Glassblown Cells for NMR Sensors. , 2019, , .		7
117	Retrospective Correction of Angular Gain by Virtual Carouseling in MEMS Gyroscopes. , 2019, , .		7
118	Amplitude Amplified Dual-Mass Gyroscope: Design Architecture and Noise Mitigation Strategies. , 2019, , .		7
119	A Review on ZUPT-Aided Pedestrian Inertial Navigation. , 2020, , .		7
120	Learning-Based Floor-Type Identification in the ZUPT-Aided Pedestrian Inertial Navigation. , 2021, 5, 1-4.		7
121	The effect of squeeze film constriction on bandwidth improvement in interferometric accelerometers. Journal of Micromechanics and Microengineering, 2008, 18, 055031.	2.6	6
122	Design, fabrication, and characterization of a micromachined glass-blown spherical resonator with insitu integrated silicon electrodes and ALD tungsten interior coating. , 2015, , .		6
123	Design Space Exploration of Hemi-Toroidal Fused Quartz Shell Resonators. , 2019, , .		6
124	Conceptual design and preliminary characterization of serial array system of high-resolution MEMS accelerometers with embedded optical detection. Smart Structures and Systems, 2005, 1, 63-82.	1.9	6
125	Quadrature-Induced Noise in Coriolis Vibratory Gyroscopes. , 2020, , .		6
126	Effect of EAM on Capacitive Detection of Motion in MEMS Vibratory Gyroscopes. IEEE Sensors Journal, 2022, 22, 2271-2281.	4.7	6

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127	Stance Phase Detection for ZUPT-Aided INS Using Knee-Mounted IMU in Crawling Scenarios. , 2022, 6, 1-4.		6
128	Parallel Plate Capacitive Detection of Large Amplitude Motion in MEMS. , 2007, , .		5
129	Out-of-plane electrode architecture for fused silica micro-glassblown 3-D wineglass resonators. , 2014, , .		5
130	Electrostatic stabilization of thermal variation in quality factor using anchor loss modulation. , 2014, , .		5
131	Optimization of orbital trajectory for frequency modulated gyroscope. , 2014, , .		5
132	Design and modeling of micro-glassblown inverted-wineglass structures. , 2014, , .		5
133	Origami-like folded mems for realization of TIMU: fabrication technology and initial demonstration. , 2015, , .		5
134	Effect of fabrication imperfections on energy loss through mechanical mode coupling in MEMS. , 2018, , .		5
135	Effect of Metallization on Fused Silica Dual-Shell Gyroscopes. , 2022, , .		5
136	Comparative study of 2-DOF micromirrors for precision light manipulation. , 2001, , .		4
137	Analysis of imperfections in a micromachined tunable-cavity interferometer. , 2001, , .		4
138	Comparative analysis of distributed mass micromachined gyroscopes fabricated in SCS-SOI and EFAB. , 2006, , .		4
139	Predictive analytical model of fundamental frequency and imperfections in glassblown fused quartz hemi-toroidal 3D micro shells. , 2016, , .		4
140	Double-Sided Process for MEMS SOI Sensors With Deep Vertical Thru-Wafer Interconnects. Journal of Microelectromechanical Systems, 2018, 27, 239-249.	2.5	4
141	Characterization of Energy Dissipation Mechanisms in Dual Foucault Pendulum Gyroscopes. , 2019, , .		4
142	Learning-Based Calibration Decision System for Bio-Inertial Motion Application. , 2019, , .		4
143	On Correlation of Anisoelectricity, Angular Gain, and Temperature in Whole-Angle CVGs. IEEE Sensors Journal, 2022, 22, 4175-4185.	4.7	4
144	Instabilities due to Electrostatic Tuning of Frequency-Split in Coriolis Vibratory Gyroscopes. , 2020, , .		4

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145	Fabrication Process and Structural Characterization of Fused Silica-on-Silicon Toroidal Ring Gyroscope. , 2021, , .		4
146	Structural and thermal analysis of a MEMS angular gyroscope. , 2001, , .		3
147	ON DEVELOPMENT OF TOTALLY IMPLANTABLE VESTIBULAR PROSTHESIS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 12-19.	0.4	3
148	Glass-blown Pyrex resonator with compensating Ti coating for reduction of TCF. , 2014, , .		3
149	Thru-Wafer Interconnects for Double-Sided (TWIDS) fabrication of MEMS. , 2016, , .		3
150	On cross-talk between gyroscopes integrated on a folded MEMS IMU Cube. , 2017, , .		3
151	Electrostatic compensation of structural imperfections in dynamically amplified dual-mass gyroscope. , 2017, , .		3
152	Closed Loop Microfabricated Facial Reanimation Device Coupling EMG-Driven Facial Nerve Stimulation with a Chronically Implanted Multichannel Cuff Electrode. , 2018, 2018, 2206-2209.		3
153	Effect of EAM on Quality Factor and Noise in MEMS Vibratory Gyroscopes. , 2021, , .		3
154	Passive network of Fabry-Perot based sensors with wavelength multiplexing capabilities. , 2006, 6174, 356.		2
155	Performance Trade-offs of an Interferometric Micro-g Resolution Accelerometer. , 2006, , .		2
156	The Effect of High Order Non-Linearities on Sub-Harmonic Excitation With Parallel Plate Capacitive Actuators. , 2007, , .		2
157	A Standalone Programmable Signal Processing Unit for Versatile Characterization of MEMS Gyroscopes. , 2007, , .		2
158	Micromachined gyroscope design allowing for both robust wide-bandwidth and precision mode-matched operation. , 2008, , .		2
159	Improvement of side-wall roughness in deep glass etched MEMS vibratory sensors. , 2014, , .		2
160	Dynamically Amplified Dual-mass Gyroscopes with In-situ Shock Survival Mechanism. , 2020, , .		2
161	Folded MEMS Platform Based on Polymeric Flexible Hinges for 3D Integration of Spatially-Distributed Sensors. Journal of Microelectromechanical Systems, 2021, , 1-8.	2.5	2
162	Structural Design Trade-Offs for MEMS Vibratory Rate Gyroscopes With 2-DOF Sense Modes. , 2007, , .		2

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163	"Sugar-Cube" PLT: A Real-time Pedestrian Localization Testbed Utilizing Foot-mounted IMU/Barometer/Ultrasonic Sensors. , 2021, , .		2
164	A Neural Network Approach to Mitigate Thermal-Induced Errors in ZUPT-aided INS. , 2022, , .		2
165	Hazard and safety regions for paths with constrained curvature. Mathematical Methods in the Applied Sciences, 1998, 21, 1655-1679.	2.3	1
166	Microgyroscopes with dynamic disturbance rejection. , 2001, 4334, 107.		1
167	An electronic prosthesis mimicking the dynamic vestibular function. , 2006, 6174, 332.		1
168	A wavelength multiplexed interferometric inertial sensor network for nondestructive evaluation and distributed monitoring. , 2007, , .		1
169	Comparative analysis of Nuclear Magnetic Resonance and Whole Angle Coriolis Vibratory Gyroscopes. , 2014, , .		1
170	The concept of "collapsed electrodes" for glassblown spherical resonators demonstrating 200:1 aspect ratio gap definition. , 2015, , .		1
171	Study of environmental survivability and stability of Folded MEMS IMU. , 2017, , .		1
172	Simulation-Based Approach in Design of 3D Micro-Glassblown Structures for Inertial and Optical Sensors. , 2019, , .		1
173	Microfabricated Optically Pumped Gradiometer with Uniform Buffer Gases. , 2021, , .		1
174	Optimization of photoresist plating mold fabrication for metal mask patterning. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, 022601.	1.2	1
175	Effect of Geometry on Energy Losses In Fused Silica Dual-Shell Gyroscopes. , 2022, , .		1
176	<title>Design concept and preliminary experimental demonstration of MEMS gyroscopes with 4-DOF master-slave architecture</title>. , 2002, 4700, 77.		0
177	The Performance Effects of Squeeze Film Stiffness on Non-Resonate Interferometric Inertial Sensors. , 2007, , 1035.		0
178	A Novel Capacitive Detection Scheme With Inherent Self-Calibration. , 2007, , .		0
179	Direct Angle Measurement Using Dynamically-Amplified Gyroscopes. IEEE Sensors Journal, 2022, 22, 6336-6344.	4.7	0