Manfred Kohl

List of Publications by Year
in descending order

193 papers	6,124 citations	81839 39 h-index	79644 73 g-index
197 all docs	197 docs citations	197 times ranked	4647 citing authors

#	Article	IF	Citations
1	Energy Harvesting Using Magnetic Shape Memory Alloys. , 2022, , 96-103.		1
2	A Technological Approach for Miniaturization of Three-Dimensional Inductive Levitation Microsuspensions. IEEE Magnetics Letters, 2022, 13, 1-4.	0.6	0
3	TiNiHf/SiO₂/Si shape memory film composites for bi-directional micro actuation. International Journal of Smart and Nano Materials, 2022, 13, 293-314.	2.0	11
4	Thermal processes of miniature thermomagnetic generators in resonant self-actuation mode. IScience, 2022, 25, 104569.	1.9	3
5	Lightweight, multifunctional materials based on magnetic shape memory alloys. , 2021, , 187-237.		0
6	Active Damping of Thin Film Shape Memory Alloy Devices. Proceedings in Applied Mathematics and Mechanics, 2021, 20, e202000310.	0.2	1
7	Lumped Element Model for Thermomagnetic Generators Based on Magnetic SMA Films. Materials, 2021, 14, 1234.	1.3	6
8	Heusler alloy-based heat engine using pyroelectric conversion for small-scale thermal energy harvesting. Applied Energy, 2021, 288, 116617.	5.1	11
9	Field-effect silicon-plasmonic photodetector for coherent T-wave reception. Optics Express, 2021, 29, 21586-21602.	1.7	1
10	Coupling Effects in Parallel Thermomagnetic Generators Based on Resonant Self-Actuation. , 2021, , .		1
11	Bi-Directional Origami-Inspired SMA Folding Microactuator. Actuators, 2021, 10, 181.	1.2	5
12	On the cooling potential of elastocaloric devices for building ventilation. Solar Energy, 2021, 230, 298-311.	2.9	8
13	Shape memory alloy based controllable multi-port microvalve. Microsystem Technologies, 2020, 26, 793-800.	1.2	6
14	Upscaling of Thermomagnetic Generators Based on Heusler Alloy Films. Joule, 2020, 4, 2718-2732.	11.7	18
15	Upscaling of SMA film-based elastocaloric cooling. Applied Thermal Engineering, 2020, 180, 115867.	3.0	33
16	Development and co-integration of a SMA/Si bimorph nanoactuator for Si photonic circuits. Microelectronic Engineering, 2020, 225, 111257.	1.1	4
17	Development of Control Circuit for Inductive Levitation Micro-Actuators. Proceedings (mdpi), 2020, 64, .	0.2	3
18	Origami-Inspired Shape Memory Folding Microactuator. , 2020, 64, .		1

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19	Top-down fabrication and transformation properties of vanadium dioxide nanostructures. Journal of Applied Physics, 2019, 125, 225104.	1.1	1
20	Miniature-scale energy harvesting based on the inverse magnetic shape memory effect. International Journal of Applied Electromagnetics and Mechanics, 2019, 59, 377-383.	0.3	2
21	Elastocaloric cooling: roadmap towards successful implementation in the built environment. AIMS Materials Science, 2019, 6, 1135-1152.	0.7	10
22	Coupled Simulation of Thermomagnetic Energy Generation Based on NiMnGa Heusler Alloy Films. Shape Memory and Superelasticity, 2018, 4, 242-255.	1.1	9
23	Film and Foil-Based Shape Memory Alloy Microactuators for Fluid Handling. Minerals, Metals and Materials Series, 2018, , 197-200.	0.3	0
24	SMA Foils for MEMS: From Material Properties to the Engineering of Microdevices. Shape Memory and Superelasticity, 2018, 4, 127-142.	1.1	20
25	High-performance elastocaloric materials for the engineering of bulk- and micro-cooling devices. MRS Bulletin, 2018, 43, 280-284.	1.7	37
26	Elastocaloric Cooling on the Miniature Scale: A Review on Materials and Device Engineering. Energy Technology, 2018, 6, 1588-1604.	1.8	78
27	Numerical simulation and experimental investigation of the elastocaloric cooling effect in sputter-deposited TiNiCuCo thin films. Continuum Mechanics and Thermodynamics, 2018, 30, 53-68.	1.4	16
28	Large Anhysteretic Deformation of Shape Memory Alloys at Postcritical Temperatures and Stresses. Physica Status Solidi (B): Basic Research, 2018, 255, 1700273.	0.7	5
29	Cobalt Gradient Evolution in Sputtered TiNiCuCo Films for Elastocaloric Cooling. Physica Status Solidi (B): Basic Research, 2018, 255, 1700299.	0.7	13
30	A Shape Memory Alloy 1Ã—2 Optical Waveguide Switch. , 2018, , .		1
31	Mesoscale Simulation of Shape Memory Alloy Film Damping. Proceedings in Applied Mathematics and Mechanics, 2018, 18, e201800409.	0.2	2
32	Shape memory alloy film damping for smart miniature systems. International Journal of Smart and Nano Materials, 2018, 9, 199-215.	2.0	12
33	Structural and Magnetic Properties of Magnetic Shape Memory Alloys on Ni-Mn-Co-In Self-standing Films. Advanced Structured Materials, 2017, , 149-160.	0.3	1
34	SMA foil-based elastocaloric cooling: from material behavior to device engineering. Journal Physics D: Applied Physics, 2017, 50, 424003.	1.3	89
35	PIPED: A silicon-plasmonic high-speed photodetector. , 2017, , .		1
36	Mesoscale simulation of elastocaloric cooling in SMA films. Acta Materialia, 2017, 136, 105-117.	3.8	36

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37	Martensitic transformation in NiMnGa/Si bimorph nanoactuators with ultra-low hysteresis. Applied Physics Letters, 2017, 110, .	1.5	11
38	A micro test platform for in-situ mechanical and electrical characterization of nanostructured multiferroic materials. Microelectronic Engineering, 2017, 173, 58-61.	1.1	2
39	Highâ€Performance Thermomagnetic Generators Based on Heusler Alloy Films. Advanced Energy Materials, 2017, 7, 1601879.	10.2	63
40	Simultaneous Measurement of Continuum Strain Field and Intermittent Martensite Band Nucleation in Single Crystal Ni-Mn-Ga Foils. Advanced Structured Materials, 2017, , 161-171.	0.3	0
41	TiNi-based films for elastocaloric microcoolingâ€" Fatigue life and device performance. APL Materials, 2016, 4, .	2.2	69
42	NiMnGa/Si Shape Memory Bimorph Nanoactuation. Shape Memory and Superelasticity, 2016, 2, 347-359.	1.1	12
43	A magnetic shape memory microactuator with intrinsic position sensing. Sensors and Actuators A: Physical, 2016, 246, 48-57.	2.0	24
44	Macroscopic inhomogeneous deformation behavior arising in single crystal Niâ€"Mnâ€"Ga foils under tensile loading. Optics and Lasers in Engineering, 2016, 87, 139-145.	2.0	7
45	Integrated SMA-based NEMS actuator for optical switching. , 2016, , .		9
46	Energy-efficient miniature-scale heat pumping based on shape memory alloys. Smart Materials and Structures, 2016, 25, 085037.	1.8	92
47	Silicon-plasmonic internal-photoemission detector for 40â€‰â€‰Gbit/s data reception. Optica, 2016, 3, 741.	4.8	84
48	Elastocaloric cooling: Stretch to actively cool. Nature Energy, 2016, 1, .	19.8	19
49	Ultra-Low Fatigue Quaternary TiNi-Based Films for Elastocaloric Cooling. Shape Memory and Superelasticity, 2016, 2, 95-103.	1.1	73
50	Silicon-Organic Hybrid (SOH) and Plasmonic-Organic Hybrid (POH) Integration. Journal of Lightwave Technology, 2016, 34, 256-268.	2.7	119
51	108 Gbit/s Plasmonic Machâ€"Zehnder Modulator with > 70-GHz Electrical Bandwidth. Journal of Lightwave Technology, 2016, 34, 393-400.	2.7	71
52	Plasmonic Internal Photoemission Detectors with Responsivities above 0.12 A/W. , 2015, , .		3
53	Silicon-Organic Hybrid (SOH) and Plasmonic-Organic Hybrid (POH) Integration. , 2015, , .		5
54	Thermomagnetic Actuation by Low Hysteresis Metamagnetic Ni-Co-Mn-In Films. Materials Today: Proceedings, 2015, 2, S883-S886.	0.9	0

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55	The Elastocaloric Effect in TiNi-based Foils. Materials Today: Proceedings, 2015, 2, S971-S974.	0.9	23
56	Plasmonic-organic hybrid (POH) modulators for OOK and BPSK signaling at 40 Gbit/s. , 2015, , .		0
57	High speed plasmonic modulator array enabling dense optical interconnect solutions. Optics Express, 2015, 23, 29746.	1.7	49
58	Silicon-organic hybrid (SOH) integration and photonic multi-chip systems: Extending the capabilities of the silicon photonic platform. , 2015, , .		0
59	All-plasmonic Machâ€“Zehnder modulator enabling optical high-speed communication at the microscale. Nature Photonics, 2015, 9, 525-528.	15.6	466
60	Local Evolution of the Elastocaloric Effect in TiNi-Based Films. Shape Memory and Superelasticity, 2015, 1, 142-152.	1.1	91
61	Plasmonic-organic hybrid (POH) modulators for OOK and BPSK signaling at 40 Gbit/s. Optics Express, 2015, 23, 9938.	1.7	65
62	Elastocaloric heat pumping using a shape memory alloy foil device. , 2015, , .		23
63	Thermal energy harvesting by high frequency actuation of magnetic shape memory alloy films. , 2015, , .		3
64	Plasmonic Mach-Zehnder Modulator with >70 GHz Electrical Bandwidth Demonstrating 90 Gbit/s 4-ASK. , 2015, , .		3
65	Dense Plasmonic Mach-Zehnder Modulator Array for High-Speed Optical Interconnects. , 2015, , .		2
66	Plasmonic devices for communications. , 2015, , .		7
67	Silicon-organic hybrid (SOH) integration for low-power and high-speed signal generation. , 2015, , .		0
68	Intermittent Deformation Behavior in Epitaxial Niâ€“Mnâ€“Ga Films. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 83-89.	0.3	0
69	Shape memory alloy microvalves for a fluidic control system. Journal of Micromechanics and Microengineering, 2014, 24, 025001.	1.5	17
70	High Frequency Thermal Energy Harvesting Using Magnetic Shape Memory Films. Advanced Energy Materials, 2014, 4, 1400751.	10.2	63
71	In-situ characterization of ferromagnetic shape memory alloy / silicon bimorph nanoactuators. , 2014, , .		7
72	High-speed Plasmonic Modulators. , 2014, , .		2

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73	The plasmonic memristor: a latching optical switch. Optica, 2014, 1, 198.	4.8	100
74	High-speed plasmonic Mach-Zehnder modulator in a waveguide. , 2014, , .		10
75	From silicon-organic hybrid to plasmonic modulation. , 2014, , .		1
76	Ni-Mn-Ga shape memory nanoactuation. Applied Physics Letters, 2014, 104, .	1.5	32
77	High-speed plasmonic phase modulators. Nature Photonics, 2014, 8, 229-233.	15.6	511
78	Evolution of temperature profiles in TiNi films for elastocaloric cooling. Acta Materialia, 2014, 81, 9-20.	3.8	206
79	Photonic-to-plasmonic mode converter. Optics Letters, 2014, 39, 3488.	1.7	26
80	Single phase boundary actuation of a ferromagnetic shape memory foil. Acta Materialia, 2014, 64, 179-187.	3.8	12
81	Magnetic Shape Memory Microactuators. Micromachines, 2014, 5, 1135-1160.	1.4	62
82	Thermal energy harvesting based on ferromagnetic shape memory alloy microactuation. , 2013, , .		1
83	Transformation behaviour of freestanding epitaxial Niâ€“Mnâ€“Ga films. Journal of Alloys and Compounds, 2013, 577, S353-S357.	2.8	15
84	Modular Optoelectronic Microfluidic Backplane for Fluid Analysis Systems. Journal of Microelectromechanical Systems, 2013, 22, 462-470.	1.7	6
85	Evolution of local strain bands of different orientation in single crystalline Niâ€“Mnâ€“Ga foils under tension. Journal of Alloys and Compounds, 2013, 577, S358-S361.	2.8	14
86	Plasmonic Communications: Light on a Wire. Optics and Photonics News, 2013, 24, 28.	0.4	98
87	Development of ferromagnetic shape memory alloy - silicon bimorph nanoactuators. , 2013, , .		2
88	A Miniature Energy Harvesting Device Using Martensite Variant Reorientation. Materials Science Forum, 2013, 738-739, 411-415.	0.3	8
89	Elastocaloric cooling using shape memory alloy films. Journal of Physics: Conference Series, 2013, 476, 012138.	0.3	21
90	Chip-to-chip plasmonic interconnects and the activities of EU project NAVOLCHI. , 2012, , .		2

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91	A magnetic shape memory foil actuator loaded by a spring. Smart Materials and Structures, 2012, 21, 094013.	1.8	25
92	Magnetic bead nanoactuator. Microelectronic Engineering, 2012, 98, 582-586.	1.1	3
93	Freely movable ferromagnetic shape memory nanostructures for actuation. Microelectronic Engineering, 2012, 98, 536-539.	1.1	12
94	Development of ferromagnetic shape memory nanoactuators. , 2012, , .		4
95	A bistable SMA microvalve for 3/2-way control. Sensors and Actuators A: Physical, 2012, 188, 285-291.	2.0	19
96	High precision positioning of plasmonic nanoparticle based on damascene process. , 2012, , .		0
97	From Highly Monodisperse Indium and Indium Tin Colloidal Nanocrystals to Self-Assembled Indium Tin Oxide Nanoelectrodes. ACS Nano, 2012, 6, 4113-4121.	7.3	48
98	A Bistable Shape Memory Alloy Microvalve With Magnetostatic Latches. Journal of Microelectromechanical Systems, 2012, 21, 76-84.	1.7	18
99	Epitaxial Nïï£¿Mnï£¿Ga Films for Magnetic Shape Memory Alloy Microactuators. Advanced Engineering Materials, 2012, 14, 696-709.	1.6	30
100	Microstructure of free-standing epitaxial Niâ€“Mnâ€“Ga films before and after variant reorientation. Scripta Materialia, 2012, 66, 566-569.	2.6	13
101	A novel foil actuator using the magnetic shape memory effect. Smart Materials and Structures, 2011, 20, 094009.	1.8	27
102	A bistable shape memory microvalve. , 2011, , .		4
103	Characterization of porous, net-shaped NiTi alloy regarding its damping and energy-absorbing capacity. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 2454-2462.	2.6	71
104	Development of magnetic nanoactuator systems. Microelectronic Engineering, 2011, 88, 2263-2266.	1.1	5
105	A bistable shape memory microvalve for three-way control. , 2011, , .		1
106	FEM simulation of a Niâ€“Mnâ€“Ga film bridge actuator. Physics Procedia, 2010, 10, 154-161.	1.2	6
107	Large superplastic strain in non-modulated epitaxial Niâ€“Mnâ€“Ga films. Physics Procedia, 2010, 10, 162-167.	1.2	9
108	Electron beam lithography of Free-Standing Niâ€“Mnâ€“Ga films. Physics Procedia, 2010, 10, 174-181.	1.2	1

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109	A bistable magnetically enhanced shape memory microactuator with high blocking forces. Physics Procedia, 2010, 10, 189-196.	1.2	8
110	Comparing properties of substrate-constrained and freestanding epitaxial Niâ€“Mnâ€“Ga films. Acta Materialia, 2010, 58, 3415-3421.	3.8	73
111	A bistable shape memory microswitch with high energy density. Smart Materials and Structures, 2010, 19, 094004.	1.8	37
112	A Bistable Shape Memory Microswitch. , 2009, , .		0
113	Electron beam lithography of V-shaped silver nanoantennas. Microelectronic Engineering, 2009, 86, 1078-1080.	1.1	9
114	Intrinsic position sensing of a Niâ€“Mnâ€“Ga microactuator. Smart Materials and Structures, 2009, 18, 104016.	1.8	12
115	A bistable SMA microactuator with large work output. , 2009, , .		0
116	Batch Fabrication of Shape Memory Actuated Polymer Microvalves by Transfer Bonding Techniques. Journal of Microelectronics and Electronic Packaging, 2009, 6, 219-227.	0.8	7
117	Residual stress in Ni-Mn-Ga thin films deposited on different substrates. European Physical Journal: Special Topics, 2008, 158, 99-105.	1.2	30
118	A fabrication technology for epitaxial Ni-Mn-Ga microactuators. European Physical Journal: Special Topics, 2008, 158, 167-172.	1.2	30
119	Magnetization- and strain-dependent free energy model for FEM simulation of magnetic shape memory alloys. European Physical Journal: Special Topics, 2008, 158, 205-211.	1.2	13
120	A free energy model for magneto-mechanically coupled NiMnGa single crystals. European Physical Journal: Special Topics, 2008, 158, 213-220.	1.2	6
121	Transfer bonding technology for batch fabrication of SMA microactuators. European Physical Journal: Special Topics, 2008, 158, 237-242.	1.2	25
122	NiMnGa nanostructures produced by electron beam lithography and Ar-ion etching. European Physical Journal: Special Topics, 2008, 158, 249-254.	1.2	7
123	Batch fabrication of polymer microsystems with shape memory microactuators. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	5
124	Modeling and FEM Simulation of Shape Memory Microactuators. Materials Science Forum, 2008, 583, 229-256.	0.3	4
125	Development of a meso-scale thermo-magneto-mechanical free energy model for NiMnGa. , 2008, , .		2
126	Intrinsic Position Sensing of a Ni-Mn-Ga Microactuator. , 2008, , .		0

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127	Robust Trimorph Bulk SMA Microactuators for Batch Manufacturing and Integration. , 2007, , .		0
128	A Thermo-Magneto-Mechanical Free Energy Model for NiMnGa Single Crystals. Materials Research Society Symposia Proceedings, 2007, 1050, 1.	0.1	0
129	New materials for micro-scale sensors and actuators. Materials Science and Engineering Reports, 2007, 56, 1-129.	14.8	438
130	A ferromagnetic shape memory actuator designed for large 2D optical scanning. Sensors and Actuators A: Physical, 2007, 135, 92-98.	2.0	29
131	Texture of submicron Ni-Mn-Ga films studied by X-ray diffraction at the ANKA synchrotron source. Zeitschrift FÃ¼r Kristallographie, Supplement, 2007, 2007, 229-234.	0.5	9
132	Ferromagnetic shape memory microscanner system for automotive applications. International Journal of Applied Electromagnetics and Mechanics, 2006, 23, 107-112.	0.3	15
133	Ferromagnetic shape memory microscanner with large deflection angles. International Journal of Applied Electromagnetics and Mechanics, 2006, 23, 99-105.	0.3	6
134	Coupled simulation of the thermo-magneto-mechanical properties of a Ni-Mn-Ga actuator. International Journal of Applied Electromagnetics and Mechanics, 2006, 23, 125-131.	0.3	4
135	Ferromagnetic Shape Memory Microactuators. Materials Transactions, 2006, 47, 639-644.	0.4	33
136	Martensitic Transformation and Microstructure of Sputter-Deposited Ni–Mn–Ga Films. Materials Transactions, 2006, 47, 619-624.	0.4	30
137	Structural and magnetic characterization of martensitic Niâ€“Mnâ€“Ga thin films deposited on Mo foil. Acta Materialia, 2006, 54, 5461-5467.	3.8	29
138	Thickness dependence of transformation characteristics of Niâ€“Mnâ€“Ga thin films deposited on alumina: Experiment and modeling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 944-947.	2.6	23
139	Shape memory effect and magnetostriction in polycrystalline Niâ€“Mnâ€“Ga thin film microactuators. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 940-943.	2.6	61
140	Texture and transformation characteristics of Niâ€“Mnâ€“Ga films deposited on alumina. Scripta Materialia, 2006, 54, 1287-1291.	2.6	32
141	Thermo-mechanical finite element analysis of a shape memory alloy cantilever beam. , 2006, , .		0
142	Transformation behavior of Niâ€“Mnâ€“Ga thin films. Smart Materials and Structures, 2005, 14, S245-S252.	1.8	72
143	Simulation of a Ferromagnetic Shape Memory Actuator in a Magnetic Field. Materials Research Society Symposia Proceedings, 2005, 881, 1.	0.1	3
144	Magnetic domains in Niâ€“Mnâ€“Ga martensitic thin films. Journal of Physics Condensed Matter, 2005, 17, 5215-5224.	0.7	29

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145	2 DOF optical microscanner with large deflection angles. , 2005, , .		0
146	Finite element simulation of SMA microactuators with large deflection. European Physical Journal Special Topics, 2004, 115, 365-373.	0.2	7
147	SMA microactuators for microvalve applications. European Physical Journal Special Topics, 2004, 115, 333-342.	0.2	21
148	Shape Memory Microactuators. Microtechnology and MEMS, 2004, , .	0.2	133
149	Magnetic properties of submicron Ni-Mn-Ga martensitic thin films1. Materials Research Society Symposia Proceedings, 2004, 855, 42.	0.1	6
150	A novel actuation mechanism on the basis of ferromagnetic SMA thin films. Sensors and Actuators A: Physical, 2004, 114, 445-450.	2.0	116
151	A TiNiPd thin film microvalve for high temperature applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 205-209.	2.6	59
152	Shape memory micromechanisms for microvalve applications. , 2004, , .		4
153	3D finite-element simulation of a shape memory microgripper. , 2003, 5053, 119.		3
154	Optical scanner based on a NiMnGa thin film microactuator. European Physical Journal Special Topics, 2003, 112, 1185-1188.	0.2	16
155	3D Simulation of a Shape Memory Microactuator. Materials Transactions, 2002, 43, 1030-1036.	0.4	18
156	SMA microgripper system. Sensors and Actuators A: Physical, 2002, 97-98, 646-652.	2.0	127
157	SMA Microgripper System. , 2001, , 710-713.		2
158	SMA microgripper with integrated antagonism. Sensors and Actuators A: Physical, 2000, 83, 208-213.	2.0	129
159	Thin film shape memory microvalves with adjustable operation temperature. Sensors and Actuators A: Physical, 2000, 83, 214-219.	2.0	123
160	Fluidic actuation by electrorheological microdevices. Mechatronics, 2000, 10, 583-594.	2.0	18
161	Development of stress-optimised shape memory microvalves. Sensors and Actuators A: Physical, 1999, 72, 243-250.	2.0	65
162	Anisotropy in microdevices produced by micromachining of cold-rolled NiTi sheets. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 270, 145-150.	2.6	9

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163	Shape memory microvalves based on thin films or rolled sheets. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 273-275, 784-788.	2.6	79
164	Linear microactuators based on the shape memory effect. Sensors and Actuators A: Physical, 1998, 70, 104-111.	2.0	51
165	Recent developments in TiNi-based shape memory alloys. , 1998, , .		5
166	<title>Photofabrication of the third dimension of NiTi shape memory alloy microactuators</title>. , 1997, 3225, 126.		9
167	Stress-Optimised Shape Memory Devices for the Use in Microvalves. European Physical Journal Special Topics, 1997, 07, C5-597-C5-602.	0.2	3
168	Mechanical characterization of shape memory micromaterials. Proceedings of SPIE, 1996, , .	0.8	13
169	Stress-optimised shape memory microactuator. , 1996, , .		5
170	Movable microstructures made by a sub-micron LIGA process. Microsystem Technologies, 1996, 2, 149-152.	1.2	7
171	Sputter deposition of TiNi, TiNiPd and TiPd films displaying the two-way shape-memory effect. Sensors and Actuators A: Physical, 1996, 53, 434-439.	2.0	120
172	Verification of the micromechanical characteristics of electrostatic linear actuators. Sensors and Actuators A: Physical, 1996, 53, 416-422.	2.0	9
173	Sub-micron LIGA process for movable microstructures. Microelectronic Engineering, 1996, 30, 505-508.	1.1	11
174	Movable microstructures made by a sub-micron LIGA process. Microsystem Technologies, 1995, 2, 149-152.	1.2	1
175	Faraday spectroscopy in diluted-magnetic-semiconductor superlattices. Physical Review B, 1991, 43, 2431-2434.	1.1	22
176	Femtosecond spectroscopy of carrier-spin relaxation in GaAs-AlxGa1â^'xAs quantum wells. Physical Review B, 1991, 44, 5923-5926.	1.1	37
177	Localization of two-dimensional exciton polaritons. Physical Review B, 1990, 42, 2941-2950.	1.1	47
178	Decay times of one-dimensional excitons in GaAs/AlxGa1â^'xAs quantum-well wires. Physical Review B, 1990, 41, 12338-12341.	1.1	29
179	Optical investigation of the exciton transfer between growth islands of different well widths in GaAs/AlxGa1â^'xAs quantum wells. Physical Review B, 1989, 39, 7736-7743.	1.1	69
180	One-dimensional magneto-excitons in GaAs/AlxGa1â^'xAs quantum wires. Physical Review Letters, 1989, 63, 2124-2127.	2.9	163

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181	Preparation of one-dimensional single and multi-layered quantum wire structures by ultrafine deep mesa etching techniques. Microelectronic Engineering, 1989, 9, 357-360.	1.1	22
182	Luminescence of quantum-well exciton polaritons from microstructuredAlxGa1â^'xAsâ^'GaAsmultiple quantum wells. Physical Review B, 1988, 37, 10927-10930.	1.1	45
183	Sputter Deposition Of TiNi And TiNiPd Films Displaying The Two Way Shape Memory Effect. , 0, , .		6
184	Stress-optimised shape memory microvalves. , 0, , .		12
185	A novel actuation mechanism based on ferromagnetic SMA thin films. , 0, , .		0
186	Engineering Aspects of Shape Memory Film Actuators and Sensors. Advances in Science and Technology, 0, , .	0.2	2
187	Thermodynamic Modelling of Ferromagnetic Shape Memory Actuators. Materials Science Forum, 0, 635, 175-180.	0.3	7
188	Recent Progress in FSMA Microactuator Developments. Materials Science Forum, 0, 635, 145-154.	0.3	44
189	Shape memory microvalves. , 0, , 346-369.		2
190	Evolution of Temperature Profiles during Stress-Induced Transformation in NiTi Thin Films. Materials Science Forum, 0, 738-739, 287-291.	0.3	11
191	Finite Element Simulation of Magnetic Shape Memory Microactuators. , 0, , 223-230.		0
192	Development of Single Crystalline Ni-Mn-Ga Foil Microactuators. , 0, , 215-222.		0
193	Temperature Homogenization of Co-Integrated Shape Memory â€“ Silicon Bimorph Actuators. , 0, , .		2