

Ralf B Bergmann

List of Publications by Year in descending order

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189
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236833

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194
all docs

194
docs citations

194
times ranked

1781
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz referenceless wavefront sensing by means of computational shear-interferometry. Optics Express, 2022, 30, 7068.	1.7	6
2	Statistical analysis of phase values for the determination of step heights in multi-wavelength interferometry. TM Technisches Messen, 2022, .	0.3	1
3	Multidimensionale optische Messtechnik. TM Technisches Messen, 2022, 89, 395-396.	0.3	0
4	The coherence function and its information content for optical metrology. TM Technisches Messen, 2022, .	0.3	0
5	Chocolate inspection by means of phase-contrast imaging using multiple-plane terahertz phase retrieval. Optics Letters, 2022, 47, 3283.	1.7	4
6	Lens-based phase retrieval under spatially partially coherent illumination - Part II: Shape measurements. Optics and Lasers in Engineering, 2021, 139, 106407.	2.0	3
7	Lens-based phase retrieval under spatially partially coherent illuminationâ€”Part I: Theory. Optics and Lasers in Engineering, 2021, 139, 106507.	2.0	2
8	Digital Holographic Measurement System. PhotonicsViews, 2021, 18, 4-5.	0.1	0
9	Efficient vision ray calibration of multi-camera systems. Optics Express, 2021, 29, 17125.	1.7	17
10	Qualification of holistic and generic camera-system calibration by fringe projection. , 2021, , .		1
11	Multicolor Holographic Display of 3D Scenes Using Referenceless Phase Holography (RELPH). Photonics, 2021, 8, 247.	0.9	2
12	Î“-profilometry: a new paradigm for precise optical metrology. Optics Express, 2021, 29, 36100.	1.7	4
13	Fast 3D form measurement using a tunable lens profiler based on imaging with LED illumination. Optics Express, 2021, 29, 385.	1.7	4
14	Optical In-Process Measurement: Concepts for Precise, Fast and Robust Optical Metrology for Complex Measurement Situations. Applied Sciences (Switzerland), 2021, 11, 10533.	1.3	6
15	Structure function analysis of powder beds in additive manufacturing by laser beam melting. Additive Manufacturing, 2020, 36, 101396.	1.7	3
16	Quality Control and Characterization. Lecture Notes in Production Engineering, 2020, , 253-310.	0.3	0
17	Multiple Aperture Shear-Interferometry (MArS): a solution to the aperture problem for the form measurement of aspheric surfaces. Optics Express, 2020, 28, 34677.	1.7	4
18	Fast form measurements using a digital micro-mirror device in imaging with partially coherent illumination. Optics Letters, 2020, 45, 6154.	1.7	2

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19	New approach to evaluate 3D laser printed parts in powder bed fusion-based additive manufacturing in-line within closed space. Additive Manufacturing, 2019, 26, 161-165.	1.7	31
20	Improving the calibration of phase measuring deflectometry by a polynomial representation of the display shape. Journal of the European Optical Society-Rapid Publications, 2019, 15, .	0.9	12
21	3D Display System Based on Spherical Wave Field Synthesis. Applied Sciences (Switzerland), 2019, 9, 3862.	1.3	1
22	Messen von asphÄrischen Linsenformen mittels rÄumlicher KohÄrenz. TM Technisches Messen, 2019, 86, 325-334.	0.3	1
23	Phase measurement deviations in deflectometry due to properties of technical surfaces. , 2019, , .		1
24	Does Divine Intervention Violate Laws of Nature?. Organon F, 2019, 26, .	0.2	1
25	Assessing the Focal Length and Wavefront Error of Liquid Crystal Micro Lens Arrays. , 2019, , .		0
26	Depth scanning using binary digital micro-mirror devices. , 2019, , .		0
27	Simultaneous measurement of independent wave fronts using multiple signal classification. , 2019, , .		0
28	In-line quality control using dimensional metrology of 3D metal parts printed by laser beam melting. , 2019, , .		1
29	Interlaboratory comparison measurements of aspheres. Measurement Science and Technology, 2018, 29, 055010.	1.4	27
30	Fast Quality Inspection of Micro Cold Formed Parts using Telecentric Digital Holographic Microscopy. MATEC Web of Conferences, 2018, 190, 15008.	0.1	0
31	Multiple plane holographic projection using diamond turned holograms. , 2018, , .		1
32	Holographic wave field synthesis using refractive elements. , 2018, , .		0
33	Metric for comparison of generic camera calibration. , 2018, , .		4
34	Form determination of optical surfaces by measuring the spatial coherence function using shearing interferometry. Optics Express, 2018, 26, 27991.	1.7	4
35	Spatial multiplexing and autofocus in holographic contouring for inspection of micro-parts. Optics Express, 2018, 26, 28576.	1.7	12
36	Characterization of technical surfaces by structure function analysis. , 2018, , .		2

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37	Effects of non-ideal display properties in phase measuring deflectometry: A model-based investigation. , 2018, , .		2
38	Spatio-temporal sampling of the coherence function for step height measurements. , 2018, , .		0
39	2.5-dimensional polymer-based holograms with individually adjustable structure angle. , 2018, , .		0
40	Distortion-free laser beam shaping for material processing using a digital micromirror device. Production Engineering, 2017, 11, 365-371.	1.1	4
41	Speckle noise reduction in single-shot holographic two-wavelength contouring. , 2017, , .		4
42	Holographic 3D imaging through diffuse media by compressive sampling of the mutual intensity. , 2017, , .		0
43	In-line quality control of micro parts using digital holography. Proceedings of SPIE, 2017, , .	0.8	4
44	In-line computational shear interferometry of insert molded micro parts for optical application. International Journal of Advanced Manufacturing Technology, 2017, 91, 1671-1676.	1.5	1
45	Spatial multiplexing digital holography for speckle noise reduction in single-shot holographic two-wavelength contouring. Optical Engineering, 2017, 56, 1.	0.5	6
46	Sparse light fields in coherent optical metrology. Applied Optics, 2017, 56, F14.	2.1	11
47	Error influences of the shear element in interferometry for form characterization of optics. Proceedings of SPIE, 2017, , .	0.8	0
48	Holographic display system for dynamic synthesis of 3D light fields with increased space bandwidth product. Optics Express, 2016, 24, 14393.	1.7	21
49	Referenceless Phase Holography, a New 3D Display Method. , 2016, , .		1
50	Quantitative phase contrast imaging using a Nomarski microscope with variable shear distance. Proceedings of SPIE, 2016, , .	0.8	1
51	Quantitative Phase Contrast Imaging of Microinjection Molded Parts Using Computational Shear Interferometry. IEEE Transactions on Industrial Informatics, 2016, 12, 1623-1630.	7.2	11
52	1â€‰kHz 33â€‰m Nd:YAG KTiOAsO ₄ optical parametric oscillator system for laser ultrasound excitation of carbon-fiber-reinforced plastics. Applied Optics, 2016, 55, 1310.	2.1	5
53	Shape measurements of microscopic objects using computational shear interferometry. Proceedings of SPIE, 2016, , .	0.8	1
54	Internal Inspection of Micro Deep Drawing Parts using Digital Holography. , 2016, , .		1

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55	Dynamic wave field synthesis: enabling the generation of field distributions with a large space-bandwidth product. Optics Express, 2015, 23, 28920.	1.7	5
56	Precision optical metrology without lasers. Proceedings of SPIE, 2015, , .	0.8	4
57	Digital holography and quantitative phase contrast imaging using computational shear interferometry. Optical Engineering, 2015, 54, 024110.	0.5	51
58	Single shot lateral shear interferometer with variable shear. Optical Engineering, 2015, 54, 054105.	0.5	6
59	Axially distributed sensing with a monoscopic imaging lens for single-shot distance measurements. Applied Optics, 2014, 53, 5078.	0.9	1
60	Assessment of bond defects in adhesive joints before and after the treatment with laser generated shock waves. , 2014, , .		0
61	Fabrication of Multiplexed Computer Generated Volume Holograms in Photosensitive Glass. , 2014, , .		0
62	Efficient laser generation of Lamb waves. Optics Letters, 2014, 39, 5795.	1.7	9
63	Determination of wave fields with high space-bandwidth product by means of sub pixel sampling and irregular phase shifting. , 2014, , .		0
64	Beam shaping using liquid crystal-on-silicon spatial light modulators for laser ultrasound generation. Optical Engineering, 2014, 53, 044110.	0.5	12
65	A comparative study between deflectometry and shearography for detection of subsurface defects. Proceedings of SPIE, 2014, , .	0.8	5
66	Running Droplet Optical Multiplexer. Optofluidics, Microfluidics and Nanofluidics, 2014, 1, .	0.5	1
67	Three dimensional fabrication of optical waveguiding elements for on-chip integration. Proceedings of SPIE, 2014, , .	0.8	0
68	Measuring deformations with deflectometry. Proceedings of SPIE, 2014, , .	0.8	6
69	Complete shape measurement of micro parts by digital holography. Proceedings of SPIE, 2014, , .	0.8	0
70	Dimensional <i>In Situ</i> Shape and Surface Inspection of Metallic Micro Components in Micro Bulk Manufacturing. Advanced Materials Research, 2014, 1018, 493-500.	0.3	1
71	Advanced wave field sensing using computational shear interferometry. Proceedings of SPIE, 2014, , .	0.8	7
72	Measuring the Complex Amplitude of Wave Fields by Means of Phase Retrieval Using Partially Coherent Illumination. , 2014, , 283-287.		0

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73	Precise Optical Metrology Using Computational Shear Interferometry and an LCD Monitor as Light Source. , 2014, , 729-734.		2
74	Least-squares based inverse reconstruction of in-line digital holograms. Journal of Optics (United Kingdom), 2013, 14, 1407-1412.	1.0	8
75	Design of diamond turned holograms for multiple wavelength image formation. , 2013, , .		2
76	A new approach to dynamic wave field synthesis using computer generated volume holograms. , 2013, , .		0
77	Nonequilibrium grain size distribution with generalized growth and nucleation rates. Journal of Materials Research, 2013, 28, 1407-1412.	1.2	1
78	Investigation of composite materials using SLM-based phase retrieval. Optics Letters, 2013, 38, 2203.	1.7	18
79	Wave field sensing by means of computational shear interferometry. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1905.	0.8	39
80	Optofluidic multiplexing and switching device. , 2013, , .		3
81	Speckle reduction in holographic projection using temporal-multiplexing of spatial frequencies. , 2013, , .		4
82	Nondestructive testing in an automated process chain for mass manufacturing of fiber-reinforced thermoplastic components. , 2013, , .		0
83	Computational Shear Interferometry: A versatile tool for wave field sensing. , 2013, , .		1
84	Quality Aspects. Lecture Notes in Production Engineering, 2013, , 381-430.	0.3	0
85	Measuring the complex amplitude of speckle fields by means of a shear interferometer. Proceedings of SPIE, 2012, , .	0.8	1
86	Laser-generated ultrasound with liquid crystal on silicon (LCoS) technology in the thermoelastic regime. , 2012, , .		1
87	Reduction of speckle noise in multiwavelength contouring. Applied Optics, 2012, 51, 8211.	0.9	29
88	Non-destructive testing of carbon reinforced plastics by means of phase retrieval. , 2012, , .		1
89	A fast and robust approach to phase shift registration from randomly phase shifted interferograms. , 2012, , .		2
90	Phase retrieval for optical inspection of technical components. Journal of Optics (United Kingdom), 2012, 14, 065701.	1.0	17

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91	Resolution enhancement in digital holography by optoelectronic sub-pixel shifting. , 2011, , .		0
92	Diamond turned holograms for intensity reconstruction in Fresnel domains. , 2011, , .		3
93	Automated compensation of misalignment in phase retrieval based on a spatial light modulator. Applied Optics, 2011, 50, 4779.	2.1	18
94	The effect of misalignment in phase retrieval based on a spatial light modulator. , 2011, , .		4
95	Development of the Grain Size Distribution During the Crystallization of an Amorphous Solid. Materials Research Society Symposia Proceedings, 2011, 1308, 30101.	0.1	3
96	Robust digital speckle photography based on radon and Fourier-Mellin transforms. Proceedings of SPIE, 2011, , .	0.8	0
97	Reference wave adaptation in digital lensless Fourier holography by means of a spatial light modulator. Proceedings of SPIE, 2011, , .	0.8	6
98	The Grain Size Distribution in Crystallization Processes With Anisotropic Growth Rate. Materials Research Society Symposia Proceedings, 2010, 1245, 1.	0.1	4
99	Liquid crystal spatial light modulators in optical metrology. , 2010, , .		6
100	Design of an Optical System for Phase Retrieval based on a Spatial Light Modulator. , 2010, , .		13
101	Phase retrieval by means of a spatial light modulator in the Fourier domain of an imaging system. Applied Optics, 2010, 49, 1826.	2.1	64
102	Design of diamond-turned holograms incorporating properties of the fabrication process. Applied Optics, 2010, 49, 3949.	2.1	9
103	Vision ray calibration for the quantitative geometric description of general imaging and projection optics in metrology. Applied Optics, 2010, 49, 5851.	2.1	41
104	Time-evolution of grain size distributions in random nucleation and growth crystallization processes. Physical Review B, 2010, 81, .	1.1	42
105	Optical metrology and optical non-destructive testing from the perspective of object characteristics. , 2010, , .		0
106	Measurement of thermally induced deformations by means of phase retrieval. , 2010, , .		3
107	Resolution enhancement by time-multiplexed acquisition of sub-pixel shifted images employing a Spatial Light Modulator. , 2010, , .		3
108	Modeling the Grain Size Distribution during Solid Phase Crystallization of Silicon. Materials Research Society Symposia Proceedings, 2009, 1153, 1.	0.1	2

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109	Holographic projection based on diamond-turned diffractive optical elements. Applied Optics, 2009, 48, 5782.	2.1	15
110	Lateral Shearing Interferometer based on a Spatial Light Modulator in the Fourier Plane. , 2009, , 1-6.		4
111	On the origin of logarithmic-normal distributions: An analytical derivation, and its application to nucleation and growth processes. Journal of Crystal Growth, 2008, 310, 3135-3138.	0.7	103
112	Computer tomography for nondestructive testing in the automotive industry. , 2004, , .		11
113	Low-Temperature Epitaxy on Polycrystalline Silicon Substrates. Solid State Phenomena, 2003, 93, 121-126.	0.3	0
114	Single to polycrystalline transition in silicon growth by ion-assisted deposition at low temperatures. Journal of Applied Physics, 2003, 93, 2570-2574.	1.1	19
115	The future of crystalline silicon films on foreign substrates. Thin Solid Films, 2002, 403-404, 162-169.	0.8	55
116	Low temperature epitaxial silicon films deposited by ion-assisted deposition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 89, 319-322.	1.7	14
117	Advances in monocrystalline Si thin film solar cells by layer transfer. Solar Energy Materials and Solar Cells, 2002, 74, 213-218.	3.0	94
118	Optimization and characterization of amorphous/crystalline silicon heterojunction solar cells. Progress in Photovoltaics: Research and Applications, 2002, 10, 1-13.	4.4	131
119	Orientation-Dependence of Low Temperature Epitaxial Silicon Growth. Materials Research Society Symposia Proceedings, 2001, 664, 2231.	0.1	5
120	From polycrystalline to single crystalline silicon on glass. Thin Solid Films, 2001, 383, 95-100.	0.8	40
121	Thin film solar cells on glass based on the transfer of monocrystalline Si films. Solar Energy Materials and Solar Cells, 2001, 65, 355-361.	3.0	18
122	High-rate deposition of epitaxial layers for efficient low-temperature thin film epitaxial silicon solar cells. Progress in Photovoltaics: Research and Applications, 2001, 9, 333-340.	4.4	12
123	High-quality and low-temperature epitaxial Si films deposited at very high deposition rate. Journal of Crystal Growth, 2001, 225, 335-339.	0.7	12
124	Monocrystalline Si Films from Transfer Processes for Thin Film Devices. Materials Research Society Symposia Proceedings, 2001, 685, 1.	0.1	5
125	Intra-Grain Defects - Limiting Factor for Low-Temperature Polycrystalline Silicon Films?. Solid State Phenomena, 2001, 80-81, 95-100.	0.3	4
126	Ion-Assisted Deposition of Silicon Epitaxial Films with High Deposition Rate Using Low Energy Silicon Ions. Materials Research Society Symposia Proceedings, 2000, 609, 711.	0.1	3

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127	Perspectives of crystalline Si thin film solar cells: a new era of thin monocrystalline Si films?. Progress in Photovoltaics: Research and Applications, 2000, 8, 451-464.	4.4	25
128	Electronic properties of silicon epitaxial layers deposited by ion-assisted deposition at low temperatures. Journal of Applied Physics, 2000, 88, 3015-3021.	1.1	17
129	Solarzellen und Mikrochips von morgen: Transfertechniken erlauben es, dÄ¼nne einkristalline Siliziumschichten auf Glas oder Plastik aufzubringen. Physik Journal, 2000, 56, 51-53.	0.1	1
130	Recombination mechanisms in amorphous silicon/crystalline silicon heterojunction solar cells. Journal of Applied Physics, 2000, 87, 2639-2645.	1.1	113
131	Low-Temperature Processing of Crystalline Si Films on Glass for Electronic Applications. , 2000, , 109-120.		6
132	Thin film solar cells on glass by transfer of monocrystalline Si films. International Journal of Photoenergy, 1999, 1, 89-93.	1.4	30
133	Heterojunctions for Polycrystalline Silicon Solar Cells. Solid State Phenomena, 1999, 67-68, 571-576.	0.3	6
134	Low-Temperature Silicon Epitaxy by Ion-Assisted Deposition. Solid State Phenomena, 1999, 67-68, 459-464.	0.3	8
135	Laser-Crystallized Polycrystalline Silicon on Glass for Photovoltaic Applications. Solid State Phenomena, 1999, 67-68, 193-198.	0.3	18
136	Bergmann and Shi Reply:. Physical Review Letters, 1999, 83, 2683-2683.	2.9	0
137	Ultrathin Quasi-Monocrystalline Silicon Films for Electronic Devices. Solid State Phenomena, 1999, 67-68, 229-236.	0.3	30
138	Large-grained polycrystalline silicon on glass by copper vapor laser annealing. Thin Solid Films, 1999, 337, 129-132.	0.8	19
139	Quasi-monocrystalline silicon for thin-film devices. Applied Physics A: Materials Science and Processing, 1999, 68, 705-707.	1.1	46
140	Crystalline Si thin-film solar cells: a review. Applied Physics A: Materials Science and Processing, 1999, 69, 187-194.	1.1	209
141	Structure and Properties of Quasi-Monocrystalline Silicon Thin-Films. Materials Research Society Symposia Proceedings, 1999, 558, 251.	0.1	1
142	High-efficiency drift-field thin-film silicon solar cells grown on electronically inactive substrates. Solar Energy Materials and Solar Cells, 1998, 51, 95-104.	3.0	6
143	Nucleation and Growth of Crystalline Silicon Films on Glass for Solar Cells. Physica Status Solidi A, 1998, 166, 587-602.	1.7	54
144	Formation of polycrystalline silicon with log-normal grain size distribution. Applied Surface Science, 1998, 123-124, 376-380.	3.1	24

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145	Growth mechanisms in laser crystallization and laser interference crystallization. Journal of Non-Crystalline Solids, 1998, 227-230, 921-924.	1.5	20
146	Low-temperature Si epitaxy with high deposition rate using ion-assisted deposition. Applied Physics Letters, 1998, 72, 2996-2998.	1.5	28
147	Noncoarsening Origin of Logarithmic-Normal Size Distributions during Crystallization of Amorphous Thin Films. Physical Review Letters, 1998, 80, 1011-1013.	2.9	13
148	Nucleation and Growth of Crystalline Silicon Films on Glass for Solar Cells. Physica Status Solidi A, 1998, 166, 587-602.	1.7	1
149	Fabrication of Single Crystalline SiC Layer on High Temperature Glass. Journal of the Electrochemical Society, 1997, 144, L111-L113.	1.3	19
150	Deposition and Characterization of Polycrystalline Silicon Films on Glass for thin Film Solar Cells. Materials Research Society Symposia Proceedings, 1997, 467, 325.	0.1	11
151	Optical and Structural Characterization of Silicon Microstructures Fabricated by Laser Interference Crystallization. Materials Research Society Symposia Proceedings, 1997, 467, 337.	0.1	4
152	Ultrathin crystalline silicon solar cells on glass substrates. Applied Physics Letters, 1997, 70, 390-392.	1.5	44
153	Growth of polycrystalline silicon films on glass by high-temperature chemical vapour deposition. Semiconductor Science and Technology, 1997, 12, 224-227.	1.0	19
154	Crystalline silicon films on a novel high temperature glass for applications in microelectronics and photovoltaics. Journal of Non-Crystalline Solids, 1997, 218, 388-390.	1.5	7
155	Solid-phase crystallized Si films on glass substrates for thin film solar cells. Solar Energy Materials and Solar Cells, 1997, 46, 147-155.	3.0	68
156	Large area polycrystalline silicon thin films grown by laser-induced nucleation and solid phase crystallization. Thin Solid Films, 1997, 296, 49-52.	0.8	12
157	Role of critical size of nuclei for liquid-phase epitaxy on polycrystalline Si films. Journal of Crystal Growth, 1997, 173, 62-68.	0.7	19
158	Large grained polycrystalline silicon films by solid phase crystallization of phosphorus-doped amorphous silicon. Journal of Crystal Growth, 1997, 177, 191-195.	0.7	20
159	Comparison of Vapor Phase and Liquid Phase Epitaxy for Deposition of Crystalline Si on Glass. Materials Research Society Symposia Proceedings, 1996, 426, 111.	0.1	5
160	The effects of solvent and dopant impurities on the performance of LPE silicon solar cells. Solar Energy Materials and Solar Cells, 1996, 41-42, 53-60.	3.0	13
161	Silicon surface passivation by metal layers for low-temperature epitaxy. Journal of Crystal Growth, 1996, 163, 470-473.	0.7	2
162	Optical in situ monitoring of solid phase crystallization of amorphous silicon. Journal of Crystal Growth, 1996, 165, 341-344.	0.7	20

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163	Polycrystalline Silicon on Glass Substrates for Thin Film Solar Cells. Solid State Phenomena, 1996, 51-52, 515-520.	0.3	15
164	Growth of polycrystalline silicon on glass by selective laser-induced nucleation. Applied Physics Letters, 1996, 69, 3719-3721.	1.5	24
165	Crystalline silicon films by chemical vapor deposition on glass for thin film solar cells. , 1996, , .		7
166	The growth and properties of liquid phase epitaxial silicon in a forming gas ambient. Journal of Crystal Growth, 1995, 151, 278-284.	0.7	9
167	Thin film silicon solar cells on glass by substrate thinning. Solar Energy Materials and Solar Cells, 1994, 32, 129-135.	3.0	12
168	Solution growth of silicon on Al-Si coated quartz glass substrates. Materials Letters, 1994, 19, 1-6.	1.3	16
169	Silicon films incorporating a drift-field grown by liquid phase epitaxy for solar cell applications. Solar Energy Materials and Solar Cells, 1993, 31, 447-451.	3.0	13
170	The role of hydrogen in silicon liquid phase epitaxy. Materials Letters, 1993, 17, 137-140.	1.3	15
171	Investigation of epitaxial lateral overgrowth by x-ray topography. Journal of Applied Physics, 1992, 72, 405-409.	1.1	3
172	Influence of carrier capture on the quantum efficiency of as-etched and epitaxially buried In _{0.53} Ga _{0.47} As/InP quantum wires. Applied Physics Letters, 1992, 61, 517-519.	1.5	9
173	First MOS transistors on insulator by silicon saturated liquid solution epitaxy. IEEE Electron Device Letters, 1992, 13, 294-296.	2.2	7
174	MOS transistors with epitaxial Si, laterally grown over SiO ₂ by liquid phase epitaxy. Applied Physics A: Solids and Surfaces, 1992, 54, 103-105.	1.4	14
175	Systematic studies of low dimensional effects depending on crystallographic overgrowth. Superlattices and Microstructures, 1992, 11, 329-332.	1.4	5
176	High quality Ge _x Si _{1-x} by heteroepitaxial lateral overgrowth. Journal of Crystal Growth, 1992, 121, 790-794.	0.7	25
177	Heteroepitaxial lateral overgrowth of Ge _x Si _{1-x} over SiO ₂ /Si structures by liquid phase epitaxy. Journal of Crystal Growth, 1991, 114, 573-580.	0.7	23
178	Model for defect-free epitaxial lateral overgrowth of Si over SiO ₂ by liquid phase epitaxy. Journal of Crystal Growth, 1991, 110, 823-834.	0.7	46
179	Dislocation generation in silicon grown laterally over SiO ₂ by liquid phase epitaxy. Applied Physics A: Solids and Surfaces, 1991, 53, 317-323.	1.4	20
180	Defect-free epitaxial lateral overgrowth of oxidized (111)-Si by liquid phase epitaxy. Applied Physics Letters, 1990, 57, 351-353.	1.5	45

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181	Transport analysis for polycrystalline silicon solar cells on glass substrates. , 0, , .		6
182	Microsized subsurface modification of mono-crystalline silicon via non-linear absorption. Journal of the European Optical Society-Rapid Publications, 0, 7, .	0.9	13
183	Wear recording at micro deep drawing tools with comparative digital holography. Journal of the European Optical Society-Rapid Publications, 0, 7, .	0.9	0
184	Novel concept for three-dimensional polymer waveguides for optical on-chip interconnects. Journal of the European Optical Society-Rapid Publications, 0, 7, .	0.9	19
185	Qualifying parabolic mirrors with deflectometry. Journal of the European Optical Society-Rapid Publications, 0, 8, .	0.9	38
186	NOVEL TRENDS IN OPTICAL NON-DESTRUCTIVE TESTING METHODS. Journal of the European Optical Society-Rapid Publications, 0, 8, .	0.9	12
187	Improving the Generic Camera Calibration technique by an extended model of calibration display. Journal of the European Optical Society-Rapid Publications, 0, 9, .	0.9	8
188	Surface characterization by structure function analysis. Journal of the European Optical Society-Rapid Publications, 0, 9, .	0.9	7
189	Computational shear interferometry for digital holography. SPIE Newsroom, 0, , .	0.1	0