Thomas Graf

List of Publications by Year
in descending order

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560	27,779	4955 84	7511 151
papers	citations	h-index	g-index

579	579	579	22033
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The size of the proton. Nature, 2010, 466, 213-216.	13.7	1,113
2	A Paracrine Loop between Tumor Cells and Macrophages Is Required for Tumor Cell Migration in Mammary Tumors. Cancer Research, 2004, 64, 7022-7029.	0.4	1,019
3	Stepwise Reprogramming of B Cells into Macrophages. Cell, 2004, 117, 663-676.	13.5	892
4	Forcing cells to change lineages. Nature, 2009, 462, 587-594.	13.7	817
5	Chicken hematopoietic cells transformed by seven strains of defective avian leukemia viruses display three distinct phenotypes of differentiation. Cell, 1979, 18, 375-390.	13.5	778
6	Proton Structure from the Measurement of 2S-2P Transition Frequencies of Muonic Hydrogen. Science, 2013, 339, 417-420.	6.0	676
7	Dynamic Visualization of Thrombopoiesis Within Bone Marrow. Science, 2007, 317, 1767-1770.	6.0	572
8	Three new types of viral oncogene of cellular origin specific for haematopoietic cell transformation. Nature, 1979, 281, 452-455.	13.7	492
9	The v-myb oncogene product binds to and activates the promyelocyte-specific mim-1 gene. Cell, 1989, 59, 1115-1125.	13.5	492
10	Platelets regulate lymphatic vascular development through CLEC-2â€“SLP-76 signaling. Blood, 2010, 116, 661-670.	0.6	396
11	Myeloid or Lymphoid Promiscuity as a Critical Step in Hematopoietic Lineage Commitment. Developmental Cell, 2002, 3, 137-147.	3.1	386
12	Transforming capacities of avian erythroblastosis virus mutants deleted in the erbA or erbB oncogenes. Cell, 1983, 32, 227-238.	13.5	335
13	Heterogeneity of Embryonic and Adult Stem Cells. Cell Stem Cell, 2008, 3, 480-483.	5.2	328
14	BLUEPRINT to decode the epigenetic signature written in blood. Nature Biotechnology, 2012, 30, 224-226.	9.4	323
15	Differentiation plasticity of hematopoietic cells. Blood, 2002, 99, 3089-3101.	0.6	321
16	Reprogramming of Committed T Cell Progenitors to Macrophages and Dendritic Cells by C/EBPÎ± and PU.1 Transcription Factors. Immunity, 2006, 25, 731-744.	6.6	321
17	PU.1 and C/EBPÎ±/Î² convert fibroblasts into macrophage-like cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6057-6062.	3.3	309
18	Avian leukemia viruses interaction with their target cells in vivo and in vitro. Biochimica Et Biophysica Acta: Reviews on Cancer, 1978, 516, 269-299.	3.3	305

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19	Transcription factors orchestrate dynamic interplay between genome topology and gene regulation during cell reprogramming. Nature Genetics, 2018, 50, 238-249.	9.4	295
20	Anuria, Omphalocele, and Perinatal Lethality in Mice Lacking the Cd34-Related Protein Podocalyxin. Journal of Experimental Medicine, 2001, 194, 13-28.	4.2	286
21	MafB Is an Interaction Partner and Repressor of Ets-1 That Inhibits Erythroid Differentiation. Cell, 1996, 85, 49-60.	13.5	283
22	Transformation of both erythroid and myeloid cells by E26, an avian leukemia virus that contains the myb gene. Cell, 1982, 31, 643-653.	13.5	275
23	CD41 expression marks myeloid-biased adult hematopoietic stem cells and increases with age. Blood, 2013, 121, 4463-4472.	0.6	270
24	Reciprocal Activation of GATA-1 and PU.1 Marks Initial Specification of Hematopoietic Stem Cells into Myeloerythroid and Myelolymphoid Lineages. Cell Stem Cell, 2007, 1, 416-427.	5.2	264
25	Klf2 Is an Essential Regulator of Vascular Hemodynamic Forces In Vivo. Developmental Cell, 2006, 11, 845-857.	3.1	241
26	Hormone-dependent terminal differentiation in vitro of chicken erythroleukemia cells transformed by ts mutants of avian erythroblastosis virus. Cell, 1982, 28, 907-919.	13.5	229
27	DETERMINANTS OF LYMPHOID-MYELOID LINEAGE DIVERSIFICATION. Annual Review of Immunology, 2006, 24, 705-738.	9.5	229
28	Laser spectroscopy of muonic deuterium. Science, 2016, 353, 669-673.	6.0	225
29	Heat accumulation during pulsed laser materials processing. Optics Express, 2014, 22, 11312.	1.7	201
30	C/EBPÎ± poises B cells for rapid reprogramming into induced pluripotent stem cells. Nature, 2014, 506, 235-239.	13.7	201
31	Identification and characterization of the avian erythroblastosis virus erbB gene product as a membrane glycoprotein. Cell, 1983, 32, 579-588.	13.5	199
32	Mechanisms and implications of phosphoinositide 3-kinase Î´ in promoting neutrophil trafficking into inflamed tissue. Blood, 2004, 103, 3448-3456.	0.6	198
33	Assessing the role of hematopoietic plasticity for endothelial and hepatocyte development by non-invasive lineage tracing. Development (Cambridge), 2005, 132, 203-213.	1.2	198
34	Defectiveness of avian erythroblastosis virus: synthesis of a 75K gag-related protein. Virology, 1979, 92, 31-45.	1.1	192
35	Cell-of-Origin-Specific 3D Genome Structure Acquired during Somatic Cell Reprogramming. Cell Stem Cell, 2016, 18, 597-610.	5.2	187
36	Characterization of the megakaryocyte demarcation membrane system and its role in thrombopoiesis. Blood, 2006, 107, 3868-3875.	0.6	182

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37	Evidence for the multiple oncogenic potential of cloned leukemia virus: In vitro and in vivo studies with avian erythroblastosis virus. Virology, 1976, 71, 423-433.	1.1	180
38	Autocrine growth induced by src-related oncogenes in transformed chicken myeloid cells. Cell, 1984, 39, 439-445.	13.5	175
39	Historical Origins of Transdifferentiation and Reprogramming. Cell Stem Cell, 2011, 9, 504-516.	5.2	171
40	v-erbA cooperates with sarcoma oncogenes in leukemic cell transformation. Cell, 1986, 45, 349-356.	13.5	169
41	Microdrilling in steel using ultrashort pulsed laser beams with radial and azimuthal polarization. Optics Express, 2010, 18, 22305.	1.7	167
42	Myb: a transcriptional activator linking proliferation and differentiation in hematopoietic cells. Current Opinion in Genetics and Development, 1992, 2, 249-255.	1.5	165
43	11â€‰â€‰kW average output power from a thin-disk multipass amplifier for ultrashort laser pulses. Optics Letters, 2013, 38, 5442.	1.7	162
44	Mutations in v-myb alter the differentiation of myelomonocytic cells transformed by the oncogene. Cell, 1990, 63, 1287-1297.	13.5	159
45	Hematopoietic Stem Cells Expressing the Myeloid Lysozyme Gene Retain Long-Term, Multilineage Repopulation Potential. Immunity, 2003, 19, 689-699.	6.6	159
46	Transcription Factors Drive Tet2-Mediated Enhancer Demethylation to Reprogram Cell Fate. Cell Stem Cell, 2018, 23, 727-741.e9.	5.2	156
47	A transcription factor party during blood cell differentiation. Current Opinion in Genetics and Development, 1998, 8, 545-551.	1.5	155
48	MafB deficiency causes defective respiratory rhythmogenesis and fatal central apnea at birth. Nature Neuroscience, 2003, 6, 1091-1100.	7.1	154
49	A novel role of sphingosine 1-phosphate receptor S1pr1 in mouse thrombopoiesis. Journal of Experimental Medicine, 2012, 209, 2165-2181.	4.2	151
50	Two types of target cells for transformation with avian myelocytomatosis virus. Virology, 1973, 54, 398-413.	1.1	149
51	A Robust and Highly Efficient Immune Cell Reprogramming System. Cell Stem Cell, 2009, 5, 554-566.	5.2	145
52	Transformation parameters in chicken fibroblasts transformed by AEV and MC29 avian leukemia viruses. Cell, 1978, 13, 751-760.	13.5	144
53	Ts mutants of E26 leukemia virus allow transformed myeloblasts, but not erythroblasts or fibroblasts to differentiate at the nonpermissive temperature. Cell, 1984, 39, 579-588.	13.5	139
54	Ultrafast thin-disk multipass laser amplifier delivering 14 kW (47 mJ, 1030 nm) average power converted to 820 W at 515 nm and 234 W at 343 nm. Optics Express, 2015, 23, 21064.	1.7	137

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55	DNA-binding activity is associated with purified myb proteins from AMV and E26 viruses and is temperature-sensitive for E26 ts mutants. Cell, 1985, 40, 983-990.	13.5	135
56	Chicken â€œerythroidâ€•cells transformed by the Gag-Myb-Ets-encoding E26 leukemia virus are multipotent. Cell, 1992, 70, 201-213.	13.5	132
57	Tissue-specific control of brain-enriched miR-7 biogenesis. Genes and Development, 2013, 27, 24-38.	2.7	131
58	Hematopoietic cells transformed in vitro by REVT avian reticuloendotheliosis virus express characteristics of very immature lymphoid cells. Virology, 1981, 115, 295-309.	1.1	126
59	Cooperative interaction of Ets-1 with USF-1 required for HIV-1 enhancer activity in T cells. EMBO Journal, 1998, 17, 1728-1739.	3.5	121
60	A plaque assay for avian RNA tumor viruses. Virology, 1972, 50, 567-578.	1.1	120
61	Thrombomucin, a Novel Cell Surface Protein that Defines Thrombocytes and Multipotent Hematopoietic Progenitors. Journal of Cell Biology, 1997, 138, 1395-1407.	2.3	118
62	Effects of Radial and Tangential Polarization in Laser Material Processing. Physics Procedia, 2011, 12, 21-30.	1.2	115
63	Laser in der Fertigung. , 2009, , .		115
64	v-mil induces autocrine growth and enhanced tumorigenicity in v-myc-transformed avian macrophages. Cell, 1986, 45, 357-364.	13.5	114
65	Reduction of pores by means of laser beam oscillation during remote welding of AlMgSi. Optics and Lasers in Engineering, 2018, 108, 68-77.	2.0	111
66	Temperature-sensitive changes in the structure of globin chromatin in lines of red cell precursors transformed by ts-AEV. Cell, 1982, 28, 931-940.	13.5	110
67	Characterization of the hematopoietic target cells of AEV, MC29 and AMV avian leukemia viruses. Experimental Cell Research, 1981, 131, 331-343.	1.2	109
68	Antagonism between C/EBPbeta and FOG in eosinophil lineage commitment of multipotent hematopoietic progenitors. Genes and Development, 2000, 14, 2515-2525.	2.7	109
69	Explanation of the cw operation of theEr3+3-Î¼m crystal laser. Physical Review A, 1994, 49, 3990-3996.	1.0	107
70	Regulation of eosinophil-specific gene expression by a C/EBP-Ets complex and GATA-1. EMBO Journal, 1998, 17, 3669-3680.	3.5	107
71	The expression pattern of the mafB/kr gene in birds and mice reveals that the kreisler phenotype does not represent a null mutant. Mechanisms of Development, 1997, 65, 111-122.	1.7	104
72	Minimum Damage in CFRP Laser Processing. Physics Procedia, 2011, 12, 302-307.	1.2	103

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73	Expression of a chicken lysozyme recombinant gene is regulated by progesterone and dexamethasone after microinjection into oviduct cells. Cell, 1982, 31, 167-176.	13.5	102
74	Multilayer polarizing grating mirror used for the generation of radial polarization in Yb:YAG thin-disk lasers. Optics Letters, 2007, 32, 3272.	1.7	101
75	Radially polarized 3kW beam from a CO_2 laser with an intracavity resonant grating mirror. Optics Letters, 2007, 32, 1824.	1.7	100
76	High-Speed X-Ray Analysis of Spatter Formation in Laser Welding of Copper. Physics Procedia, 2013, 41, 112-118.	1.2	100
77	A single point mutation in the v-ets oncogene affects both erythroid and myelomonocytic cell differentiation. Cell, 1988, 55, 1147-1158.	13.5	99
78	Very-large-mode-area, single-mode multicore fiber. Optics Letters, 2009, 34, 2876.	1.7	99
79	Continuous Wave Laser Welding of Copper with Combined Beams at Wavelengths of 1030 nm and of 515 nm. Physics Procedia, 2011, 12, 88-94.	1.2	99
80	C/EBPÎ± Induces Highly Efficient Macrophage Transdifferentiation of B Lymphoma and Leukemia Cell Lines and Impairs Their Tumorigenicity. Cell Reports, 2013, 3, 1153-1163.	2.9	99
81	Mutants of avian myelocytomatosis virus with smaller gag gene-related proteins have an altered transforming ability. Nature, 1980, 288, 170-172.	13.7	98
82	Transforming capacities and defectiveness of avian leukemia viruses OK10 and E26. Virology, 1979, 99, 431-436.	1.1	97
83	Optimization of the solidification conditions by means of beam oscillation during laser beam welding of aluminum. Materials and Design, 2018, 160, 1178-1185.	3.3	97
84	Increased inflammation in lysozyme Mâ€“deficient mice in response to Micrococcus luteus and its peptidoglycan. Blood, 2003, 101, 2388-2392.	0.6	95
85	CCAAT/enhancer binding protein Î± (C/EBPÎ±)-induced transdifferentiation of pre-B cells into macrophages involves no overt retrodifferentiation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17016-17021.	3.3	95
86	C/EBPÎ± Activates Pre-existing and De Novo Macrophage Enhancers during Induced Pre-B Cell Transdifferentiation and Myelopoiesis. Stem Cell Reports, 2015, 5, 232-247.	2.3	95
87	Enhanced performance of thin-disk lasers by pumping into the zero-phonon line. Optics Letters, 2012, 37, 3045.	1.7	94
88	C/EBPÎ± creates elite cells for iPSC reprogramming by upregulating Klf4 and increasing the levels of Lsd1 andÂBrd4. Nature Cell Biology, 2016, 18, 371-381.	4.6	94
89	Thin-Disk Yb:YAG Oscillator-Amplifier Laser, ASE, and Effective Yb:YAG Lifetime. IEEE Journal of Quantum Electronics, 2009, 45, 993-1005.	1.0	92
90	The cellular oncogenes c-myc, c-myb and c-erb are transcribed in defined types of avian hematopoietic cells. Experimental Cell Research, 1983, 149, 151-162.	1.2	87

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91	PU.1 is not strictly required for B cell development and its absence induces a B-2 to B-1 cell switch. Journal of Experimental Medicine, 2005, 202, 1411-1422.	4.2	85
92	Tet2 Facilitates the Derepression of Myeloid Target Genes during CEBPÎ±-Induced Transdifferentiation of Pre-B Cells. Molecular Cell, 2012, 48, 266-276.	4.5	85
93	Differential expression of Rous Sarcoma virus-specific transformation parameters in enucleated cells. Cell, 1978, 14, 843-856.	13.5	83
94	Cell-surface antigens induced by avian RNA tumor viruses: Detection by immunoferritin technique. Virology, 1972, 47, 416-425.	1.1	81
95	Understanding Pore Formation in Laser Beam Welding. Physics Procedia, 2011, 12, 241-247.	1.2	78
96	Femtosecond Yb:CaGdAlO_4 thin-disk oscillator. Optics Letters, 2012, 37, 3984.	1.7	78
97	250ÂW single-crystal fiber Yb:YAG laser. Optics Letters, 2012, 37, 2898.	1.7	78
98	Reducing thermal lensing in diode-pumped laser rods. Optics Communications, 2000, 178, 383-393.	1.0	77
99	Musashi 2 is a regulator of the HSC compartment identified by a retroviral insertion screen and knockout mice. Blood, 2011, 118, 554-564.	0.6	76
100	Avian myelocytomatosis and erythroblastosis viruses lack the transforming gene src of avian sarcoma viruses. Cell, 1978, 13, 745-750.	13.5	75
101	The dicyclohexylcarbodiimide-binding protein of the mitochondrial ATPase complex from beef heart. FEBS Letters, 1978, 94, 218-222.	1.3	74
102	Process Stabilization at welding Copper by Laser Power Modulation. Physics Procedia, 2011, 12, 81-87.	1.2	74
103	Shielding effects and re-deposition of material during processing of metals with bursts of ultra-short laser pulses. Applied Surface Science, 2018, 440, 926-931.	3.1	74
104	Detection of avian hematopoietic cell surface antigens with monoclonal antibodies to myeloid cells. Experimental Cell Research, 1983, 143, 383-394.	1.2	72
105	v-myb dominance over v-myc in doubly transformed chick myelomonocytic cells. Cell, 1987, 51, 41-50.	13.5	72
106	Polarization-selective grating mirrors used in the generation of radial polarization. Applied Physics B: Lasers and Optics, 2005, 80, 707-713.	1.1	72
107	Strain-specific antigen of the avian leukosis sarcoma virus group. Virology, 1970, 40, 530-539.	1.1	69
108	Illuminating the proton radius conundrum: the Î¼He⁺ Lamb shiftThis paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at Â‰cole de Physique, les Houches, France, 30 Mayâ€‰â€“â€‰4 June, 2010.. Canadian Journal of Physics, 2011, 89, 47-57.	0.4	69

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109	Goose-type lysozyme gene of the chicken: sequence, genomic organization and expression reveals major differences to chicken-type lysozyme gene. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1991, 1090, 273-276.	2.4	66
110	CD41-YFP mice allow in vivo labeling of megakaryocytic cells and reveal a subset of platelets hyperreactive to thrombin stimulation. Experimental Hematology, 2007, 35, 490-499.e1.	0.2	66
111	Avian leukemia viruses oncogenes and genome structure. Biochimica Et Biophysica Acta: Reviews on Cancer, 1982, 651, 245-271.	3.3	65
112	Multiple reflections and Fresnel absorption in an actual 3D keyhole during deep penetration laser welding. Journal Physics D: Applied Physics, 2006, 39, 4703-4712.	1.3	64
113	High-power Yb:YAG single-crystal fiber amplifiers for femtosecond lasers in cylindrical polarization. Optics Letters, 2015, 40, 2517.	1.7	64
114	Evidence for additive and synergistic action of mammalian enhancers during cell fate determination. ELife, 2021, 10, .	2.8	64
115	Early decisions in lymphoid development. Current Opinion in Immunology, 2007, 19, 123-128.	2.4	63
116	Power scaling of fundamental-mode thin-disk lasers using intracavity deformable mirrors. Optics Letters, 2012, 37, 5033.	1.7	63
117	Semiconductor membrane external-cavity surface-emitting laser (MECSEL). Optica, 2016, 3, 1506.	4.8	63
118	High-power Nd:YLF laser end pumped by a diode-laser bar. Optics Letters, 1993, 18, 1317.	1.7	62
119	High-power radially polarized Yb:YAG thin-disk laser with high efficiency. Optics Express, 2011, 19, 5093.	1.7	62
120	Measuring the Î±-particle charge radius with muonic helium-4 ions. Nature, 2021, 589, 527-531.	13.7	62
121	Novel X-ray System for in-situ Diagnostics of Laser Based Processes â€“ First Experimental Results. Physics Procedia, 2011, 12, 761-770.	1.2	60
122	High-quality processing of CFRP with a 1.1-kW picosecond laser. Applied Physics A: Materials Science and Processing, 2015, 119, 1237-1243.	1.1	60
123	Differential expression of transformation in rat and chicken cells infected with an avian sarcoma virus ts mutant. Virology, 1973, 56, 369-374.	1.1	58
124	Short-pulse Laser Processing of CFRP. Physics Procedia, 2012, 39, 137-146.	1.2	57
125	Processing constraints resulting from heat accumulation during pulsed and repetitive laser materials processing. Optics Express, 2017, 25, 3966.	1.7	57
126	Fibroblast-Derived Induced Pluripotent Stem Cells Show No Common Retroviral Vector Insertions. Stem Cells, 2009, 27, 300-306.	1.4	55

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127	HDAC7 Is a Repressor of Myeloid Genes Whose Downregulation Is Required for Transdifferentiation of Pre-B Cells into Macrophages. PLoS Genetics, 2013, 9, e1003503.	1.5	55
128	Diode-pumped passively mode-locked Nd:KGd(WO_4)_2 laser with 1-W average output power. Optics Letters, 2002, 27, 1478.	1.7	53
129	Comparison of the microbicidal and muramidase activities of mouse lysozyme M and P. Biochemical Journal, 2004, 380, 385-392.	1.7	53
130	Direct laser interference patterning of stainless steel by ultrashort pulses for antibacterial surfaces. Optics and Laser Technology, 2020, 123, 105954.	2.2	53
131	Canonical BMP signaling is dispensable for hematopoietic stem cell function in both adult and fetal liver hematopoiesis, but essential to preserve colon architecture. Blood, 2010, 115, 4689-4698.	0.6	50
132	OneD: increasing reproducibility of Hi-C samples with abnormal karyotypes. Nucleic Acids Research, 2018, 46, e49-e49.	6.5	50
133	In Vitro Transformation of Chicken Bone Marrow Cells with Avian Erythroblastosis Virus. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1975, 30, 847-849.	0.6	47
134	Cells transformed by avian myelocytomatosis virus strain CMII contain a 90K gag-related protein. Virology, 1979, 98, 191-199.	1.1	44
135	Thermooptical compensation methods for high-power lasers. IEEE Journal of Quantum Electronics, 2002, 38, 1620-1628.	1.0	43
136	Isolation of clonal strains of chicken embryo fibroblasts. Experimental Cell Research, 1977, 107, 417-428.	1.2	41
137	Transcriptional activation during cell reprogramming correlates with the formation of 3D open chromatin hubs. Nature Communications, 2020, 11, 2564.	5.8	41
138	Understanding of Humping Based on Conservation of Volume Flow. Physics Procedia, 2011, 12, 232-240.	1.2	40
139	Studies on the reproductive and cell-converting abilities of avian sarcoma visuses. Virology, 1971, 43, 427-441.	1.1	39
140	S13, a rapidly oncogenic replication-defective avian retrovirus. Virology, 1985, 145, 141-153.	1.1	39
141	Lasing properties of diode-laser-pumped Nd:KGW. Optical Engineering, 1995, 34, 2349.	0.5	39
142	Polarization dependence of laser interaction with carbon fibers and CFRP. Optics Express, 2014, 22, 1474.	1.7	39
143	Production and characterization of antisera specific for the erb-portion of p75, the presumptive transforming protein of avian erythroblastosis virus. Virology, 1981, 111, 201-210.	1.1	38
144	Laser beam quality, entropy and the limits of beam shaping. Optics Communications, 1996, 131, 77-83.	1.0	37

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145	Pre-B cell to macrophage transdifferentiation without significant promoter DNA methylation changes. Nucleic Acids Research, 2012, 40, 1954-1968.	6.5	37
146	Reprogramming human B cells into induced pluripotent stem cells and its enhancement by C/EBPÎ±. Leukemia, 2016, 30, 674-682.	3.3	36
147	Yb:CaGdAlO_4 thin-disk laser. Optics Letters, 2011, 36, 4134.	1.7	35
148	Musashi 2 in hematopoiesis. Current Opinion in Hematology, 2012, 19, 268-272.	1.2	35
149	X-Ray and Optical Videography for 3D Measurement of Capillary and Melt Pool Geometry in Laser Welding. Physics Procedia, 2013, 41, 488-495.	1.2	34
150	Broadband pulse compression gratings with measured 997% diffraction efficiency. Optics Letters, 2014, 39, 323.	1.7	34
151	Statistical evaluation method to determine the laser welding depth by optical coherence tomography. Optics and Lasers in Engineering, 2019, 119, 56-64.	2.0	34
152	Reduction of the hot cracking susceptibility of laser beam welds in AlMgSi alloys by increasing the number of grain boundaries. Science and Technology of Welding and Joining, 2019, 24, 313-319.	1.5	33
153	Influence of Laser Wavelength on Melt Bath Dynamics and Resulting Seam Quality at Welding of Thick Plates. Physics Procedia, 2013, 41, 49-58.	1.2	32
154	Radially polarized emission with 635â€‰â€‰W of average power and 21â€‰â€‰mJ of pulse energy generated by an ultrafast thin-disk multipass amplifier. Optics Letters, 2015, 40, 5758.	1.7	32
155	Analytical expressions for the threshold of deep-penetration laser welding. Laser Physics Letters, 2015, 12, 056002.	0.6	32
156	Fine-tuned Remote Laser Welding of Aluminum to Copper with Local Beam Oscillation. Physics Procedia, 2016, 83, 455-462.	1.2	32
157	High-speed Observation of the Heat Flow in CFRP During Laser Processing. Physics Procedia, 2012, 39, 171-178.	1.2	31
158	Deformable mirrors for intra-cavity use in high-power thin-disk lasers. Optics Express, 2017, 25, 4254.	1.7	31
159	Camera Based Closed Loop Control for Partial Penetration Welding of Overlap Joints. Physics Procedia, 2011, 12, 730-738.	1.2	30
160	Passively mode-locked Yb^3+:Sc_2SiO_5 thin-disk laser. Optics Letters, 2012, 37, 4750.	1.7	30
161	Estimation of the depth limit for percussion drilling with picosecond laser pulses. Optics Express, 2018, 26, 11546.	1.7	30
162	Numerical simulation and analytical description of thermally induced birefringence in laser rods. IEEE Journal of Quantum Electronics, 2000, 36, 620-626.	1.0	29

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163	Self-adjusting compensating thermal lens to balance the thermally induced lens in solid-state lasers. IEEE Journal of Quantum Electronics, 2000, 36, 757-764.	1.0	29
164	Generation of custom modes in a Nd:YAG laser with a semipassive bimorph adaptive mirror. Applied Physics B: Lasers and Optics, 2006, 83, 43-50.	1.1	29
165	Comparison between ray-tracing and physical optics for the computation of light absorption in capillaries â€“ the influence of diffraction and interference. Optics Express, 2012, 20, 26606.	1.7	29
166	Zrf1 is required to establish and maintain neural progenitor identity. Genes and Development, 2014, 28, 182-197.	2.7	29
167	In vitro transformation with avian myelocytomatosis virus strain CMII: Characterization of the virus and its target cells. Virology, 1977, 83, 96-109.	1.1	28
168	Reduction of thermally induced lenses in Nd:YAG with low temperatures. IEEE Journal of Quantum Electronics, 2004, 40, 499-504.	1.0	28
169	Induced pluripotent stem cellâ€“derived human platelets: one step closer to the clinic. Journal of Experimental Medicine, 2010, 207, 2781-2784.	4.2	28
170	Single-layer resonant-waveguide grating for polarization and wavelength selection in Yb:YAG thin-disk lasers. Optics Express, 2012, 20, 4024.	1.7	28
171	Effects of Welding Parameters Onto Keyhole Geometry for Partial Penetration Laser Welding. Physics Procedia, 2013, 41, 199-208.	1.2	28
172	Yb:CaF_2 thin-disk laser. Optics Express, 2014, 22, 1524.	1.7	28
173	Power modulation to stabilize laser welding of copper. Journal of Laser Applications, 2015, 27, .	0.8	28
174	Weld Seam Geometry and Electrical Resistance of Laser-Welded, Aluminum-Copper Dissimilar Joints Produced with Spatial Beam Oscillation. Metals, 2018, 8, 510.	1.0	28
175	Scaling the productivity of laser structuring processes using picosecond laser pulses at average powers of up to 420â€‰W to produce superhydrophobic surfaces on stainless steel AISI 316L. Scientific Reports, 2019, 9, 1933.	1.6	28
176	Numerical study of the dynamics of the hole formation during drilling with combined ms and ns laser pulses. Optics and Laser Technology, 2019, 112, 8-19.	2.2	28
177	Identification of interventricular septum precursor cells in the mouse embryo. Developmental Biology, 2007, 302, 195-207.	0.9	27
178	Transformation parameters of chicken embryo fibroblasts infected with the ts34 mutant of avian erythroblastosis virus. Virology, 1980, 100, 348-356.	1.1	26
179	C/EBPÎ±bypasses cell cycle-dependency during immune cell transdifferentiation. Cell Cycle, 2012, 11, 2739-2746.	1.3	26
180	Laser demonstration with highly doped Yb:Gd_2O_3 and Yb:Y_2O_3 crystals grown by an original flux method. Optics Letters, 2013, 38, 4146.	1.7	26

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