

Thomas Graf

List of Publications by Year in descending order

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560
papers

27,779
citations

4942

84
h-index

7496

151
g-index

579
all docs

579
docs citations

579
times ranked

22033
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-2-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/EBP β and PU.1 Transcription Factors. Immunity, 2006, 25, 731-744. | 6.6 | 321 |
| 17 | PU.1 and C/EBP β 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Transcription factors orchestrate dynamic interplay between genome topology and gene regulation during cell reprogramming. <i>Nature Genetics</i> , 2018, 50, 238-249. | 9.4 | 295 |
| 20 | Anuria, Omphalocele, and Perinatal Lethality in Mice Lacking the Cd34-Related Protein Podocalyxin. <i>Journal of Experimental Medicine</i> , 2001, 194, 13-28. | 4.2 | 286 |
| 21 | MafB Is an Interaction Partner and Repressor of Ets-1 That Inhibits Erythroid Differentiation. <i>Cell</i> , 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. <i>Cell</i> , 1982, 31, 643-653. | 13.5 | 275 |
| 23 | CD41 expression marks myeloid-biased adult hematopoietic stem cells and increases with age. <i>Blood</i> , 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. <i>Cell Stem Cell</i> , 2007, 1, 416-427. | 5.2 | 264 |
| 25 | Klf2 Is an Essential Regulator of Vascular Hemodynamic Forces In Vivo. <i>Developmental Cell</i> , 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. <i>Cell</i> , 1982, 28, 907-919. | 13.5 | 229 |
| 27 | DETERMINANTS OF LYMPHOID-MYELOID LINEAGE DIVERSIFICATION. <i>Annual Review of Immunology</i> , 2006, 24, 705-738. | 9.5 | 229 |
| 28 | Laser spectroscopy of muonic deuterium. <i>Science</i> , 2016, 353, 669-673. | 6.0 | 225 |
| 29 | Heat accumulation during pulsed laser materials processing. <i>Optics Express</i> , 2014, 22, 11312. | 1.7 | 201 |
| 30 | C/EBP β poises B cells for rapid reprogramming into induced pluripotent stem cells. <i>Nature</i> , 2014, 506, 235-239. | 13.7 | 201 |
| 31 | Identification and characterization of the avian erythroblastosis virus erbB gene product as a membrane glycoprotein. <i>Cell</i> , 1983, 32, 579-588. | 13.5 | 199 |
| 32 | Mechanisms and implications of phosphoinositide 3-kinase $\hat{\Gamma}$ in promoting neutrophil trafficking into inflamed tissue. <i>Blood</i> , 2004, 103, 3448-3456. | 0.6 | 198 |
| 33 | Assessing the role of hematopoietic plasticity for endothelial and hepatocyte development by non-invasive lineage tracing. <i>Development (Cambridge)</i> , 2005, 132, 203-213. | 1.2 | 198 |
| 34 | Defectiveness of avian erythroblastosis virus: synthesis of a 75K gag-related protein. <i>Virology</i> , 1979, 92, 31-45. | 1.1 | 192 |
| 35 | Cell-of-Origin-Specific 3D Genome Structure Acquired during Somatic Cell Reprogramming. <i>Cell Stem Cell</i> , 2016, 18, 597-610. | 5.2 | 187 |
| 36 | Characterization of the megakaryocyte demarcation membrane system and its role in thrombopoiesis. <i>Blood</i> , 2006, 107, 3868-3875. | 0.6 | 182 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Evidence for the multiple oncogenic potential of cloned leukemia virus: In vitro and in vivo studies with avian erythroblastosis virus. <i>Virology</i> , 1976, 71, 423-433. | 1.1 | 180 |
| 38 | Autocrine growth induced by src-related oncogenes in transformed chicken myeloid cells. <i>Cell</i> , 1984, 39, 439-445. | 13.5 | 175 |
| 39 | Historical Origins of Transdifferentiation and Reprogramming. <i>Cell Stem Cell</i> , 2011, 9, 504-516. | 5.2 | 171 |
| 40 | v-erbA cooperates with sarcoma oncogenes in leukemic cell transformation. <i>Cell</i> , 1986, 45, 349-356. | 13.5 | 169 |
| 41 | Microdrilling in steel using ultrashort pulsed laser beams with radial and azimuthal polarization. <i>Optics Express</i> , 2010, 18, 22305. | 1.7 | 167 |
| 42 | Myb: a transcriptional activator linking proliferation and differentiation in hematopoietic cells. <i>Current Opinion in Genetics and Development</i> , 1992, 2, 249-255. | 1.5 | 165 |
| 43 | 11â€‰kW average output power from a thin-disk multipass amplifier for ultrashort laser pulses. <i>Optics Letters</i> , 2013, 38, 5442. | 1.7 | 162 |
| 44 | Mutations in v-myb alter the differentiation of myelomonocytic cells transformed by the oncogene. <i>Cell</i> , 1990, 63, 1287-1297. | 13.5 | 159 |
| 45 | Hematopoietic Stem Cells Expressing the Myeloid Lysozyme Gene Retain Long-Term, Multilineage Repopulation Potential. <i>Immunity</i> , 2003, 19, 689-699. | 6.6 | 159 |
| 46 | Transcription Factors Drive Tet2-Mediated Enhancer Demethylation to Reprogram Cell Fate. <i>Cell Stem Cell</i> , 2018, 23, 727-741.e9. | 5.2 | 156 |
| 47 | A transcription factor party during blood cell differentiation. <i>Current Opinion in Genetics and Development</i> , 1998, 8, 545-551. | 1.5 | 155 |
| 48 | MafB deficiency causes defective respiratory rhythmogenesis and fatal central apnea at birth. <i>Nature Neuroscience</i> , 2003, 6, 1091-1100. | 7.1 | 154 |
| 49 | A novel role of sphingosine 1-phosphate receptor S1pr1 in mouse thrombopoiesis. <i>Journal of Experimental Medicine</i> , 2012, 209, 2165-2181. | 4.2 | 151 |
| 50 | Two types of target cells for transformation with avian myelocytomatosis virus. <i>Virology</i> , 1973, 54, 398-413. | 1.1 | 149 |
| 51 | A Robust and Highly Efficient Immune Cell Reprogramming System. <i>Cell Stem Cell</i> , 2009, 5, 554-566. | 5.2 | 145 |
| 52 | Transformation parameters in chicken fibroblasts transformed by AEV and MC29 avian leukemia viruses. <i>Cell</i> , 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. <i>Cell</i> , 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. <i>Optics Express</i> , 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. <i>Cell</i> , 1985, 40, 983-990. | 13.5 | 135 |
| 56 | Chicken erythroid cells transformed by the Gag-Myb-Ets-encoding E26 leukemia virus are multipotent. <i>Cell</i> , 1992, 70, 201-213. | 13.5 | 132 |
| 57 | Tissue-specific control of brain-enriched miR-7 biogenesis. <i>Genes and Development</i> , 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. <i>Virology</i> , 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. <i>EMBO Journal</i> , 1998, 17, 1728-1739. | 3.5 | 121 |
| 60 | A plaque assay for avian RNA tumor viruses. <i>Virology</i> , 1972, 50, 567-578. | 1.1 | 120 |
| 61 | Thrombomucin, a Novel Cell Surface Protein that Defines Thrombocytes and Multipotent Hematopoietic Progenitors. <i>Journal of Cell Biology</i> , 1997, 138, 1395-1407. | 2.3 | 118 |
| 62 | Effects of Radial and Tangential Polarization in Laser Material Processing. <i>Physics Procedia</i> , 2011, 12, 21-30. | 1.2 | 115 |
| 63 | <i>Laser in der Fertigung.</i> , 2009, , . | | 115 |
| 64 | v-mil induces autocrine growth and enhanced tumorigenicity in v-myc-transformed avian macrophages. <i>Cell</i> , 1986, 45, 357-364. | 13.5 | 114 |
| 65 | Reduction of pores by means of laser beam oscillation during remote welding of AlMgSi. <i>Optics and Lasers in Engineering</i> , 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. <i>Cell</i> , 1982, 28, 931-940. | 13.5 | 110 |
| 67 | Characterization of the hematopoietic target cells of AEV, MC29 and AMV avian leukemia viruses. <i>Experimental Cell Research</i> , 1981, 131, 331-343. | 1.2 | 109 |
| 68 | Antagonism between C/EBPbeta and FOG in eosinophil lineage commitment of multipotent hematopoietic progenitors. <i>Genes and Development</i> , 2000, 14, 2515-2525. | 2.7 | 109 |
| 69 | Explanation of the cw operation of the Er ³⁺ :3-1/4m crystal laser. <i>Physical Review A</i> , 1994, 49, 3990-3996. | 1.0 | 107 |
| 70 | Regulation of eosinophil-specific gene expression by a C/EBP-Ets complex and GATA-1. <i>EMBO Journal</i> , 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. <i>Mechanisms of Development</i> , 1997, 65, 111-122. | 1.7 | 104 |
| 72 | Minimum Damage in CFRP Laser Processing. <i>Physics Procedia</i> , 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. <i>Cell</i> , 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. <i>Optics Letters</i> , 2007, 32, 3272. | 1.7 | 101 |
| 75 | Radially polarized 3kW beam from a CO ₂ laser with an intracavity resonant grating mirror. <i>Optics Letters</i> , 2007, 32, 1824. | 1.7 | 100 |
| 76 | High-Speed X-Ray Analysis of Spatter Formation in Laser Welding of Copper. <i>Physics Procedia</i> , 2013, 41, 112-118. | 1.2 | 100 |
| 77 | A single point mutation in the v-cets oncogene affects both erythroid and myelomonocytic cell differentiation. <i>Cell</i> , 1988, 55, 1147-1158. | 13.5 | 99 |
| 78 | Very-large-mode-area, single-mode multicore fiber. <i>Optics Letters</i> , 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. <i>Physics Procedia</i> , 2011, 12, 88-94. | 1.2 | 99 |
| 80 | C/EBP β Induces Highly Efficient Macrophage Transdifferentiation of B Lymphoma and Leukemia Cell Lines and Impairs Their Tumorigenicity. <i>Cell Reports</i> , 2013, 3, 1153-1163. | 2.9 | 99 |
| 81 | Mutants of avian myelocytomatosis virus with smaller gag gene-related proteins have an altered transforming ability. <i>Nature</i> , 1980, 288, 170-172. | 13.7 | 98 |
| 82 | Transforming capacities and defectiveness of avian leukemia viruses OK10 and E26. <i>Virology</i> , 1979, 99, 431-436. | 1.1 | 97 |
| 83 | Optimization of the solidification conditions by means of beam oscillation during laser beam welding of aluminum. <i>Materials and Design</i> , 2018, 160, 1178-1185. | 3.3 | 97 |
| 84 | Increased inflammation in lysozyme M α deficient mice in response to <i>Micrococcus luteus</i> and its peptidoglycan. <i>Blood</i> , 2003, 101, 2388-2392. | 0.6 | 95 |
| 85 | CCAAT/enhancer binding protein β (C/EBP β)-induced transdifferentiation of pre-B cells into macrophages involves no overt retrodifferentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17016-17021. | 3.3 | 95 |
| 86 | C/EBP β Activates Pre-existing and De Novo Macrophage Enhancers during Induced Pre-B Cell Transdifferentiation and Myelopoiesis. <i>Stem Cell Reports</i> , 2015, 5, 232-247. | 2.3 | 95 |
| 87 | Enhanced performance of thin-disk lasers by pumping into the zero-phonon line. <i>Optics Letters</i> , 2012, 37, 3045. | 1.7 | 94 |
| 88 | C/EBP β creates elite cells for iPSC reprogramming by upregulating Klf4 and increasing the levels of Lsd1 and Brd4. <i>Nature Cell Biology</i> , 2016, 18, 371-381. | 4.6 | 94 |
| 89 | Thin-Disk Yb:YAG Oscillator-Amplifier Laser, ASE, and Effective Yb:YAG Lifetime. <i>IEEE Journal of Quantum Electronics</i> , 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. <i>Experimental Cell Research</i> , 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. <i>Journal of Experimental Medicine</i> , 2005, 202, 1411-1422. | 4.2 | 85 |
| 92 | Tet2 Facilitates the Derepression of Myeloid Target Genes during CEBP β -Induced Transdifferentiation of Pre-B Cells. <i>Molecular Cell</i> , 2012, 48, 266-276. | 4.5 | 85 |
| 93 | Differential expression of Rous Sarcoma virus-specific transformation parameters in enucleated cells. <i>Cell</i> , 1978, 14, 843-856. | 13.5 | 83 |
| 94 | Cell-surface antigens induced by avian RNA tumor viruses: Detection by immunoferritin technique. <i>Virology</i> , 1972, 47, 416-425. | 1.1 | 81 |
| 95 | Understanding Pore Formation in Laser Beam Welding. <i>Physics Procedia</i> , 2011, 12, 241-247. | 1.2 | 78 |
| 96 | Femtosecond Yb:CaGdAlO ₄ thin-disk oscillator. <i>Optics Letters</i> , 2012, 37, 3984. | 1.7 | 78 |
| 97 | 250 μ W single-crystal fiber Yb:YAG laser. <i>Optics Letters</i> , 2012, 37, 2898. | 1.7 | 78 |
| 98 | Reducing thermal lensing in diode-pumped laser rods. <i>Optics Communications</i> , 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. <i>Blood</i> , 2011, 118, 554-564. | 0.6 | 76 |
| 100 | Avian myelocytomatosis and erythroblastosis viruses lack the transforming gene src of avian sarcoma viruses. <i>Cell</i> , 1978, 13, 745-750. | 13.5 | 75 |
| 101 | The dicyclohexylcarbodiimide-binding protein of the mitochondrial ATPase complex from beef heart. <i>FEBS Letters</i> , 1978, 94, 218-222. | 1.3 | 74 |
| 102 | Process Stabilization at welding Copper by Laser Power Modulation. <i>Physics Procedia</i> , 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. <i>Applied Surface Science</i> , 2018, 440, 926-931. | 3.1 | 74 |
| 104 | Detection of avian hematopoietic cell surface antigens with monoclonal antibodies to myeloid cells. <i>Experimental Cell Research</i> , 1983, 143, 383-394. | 1.2 | 72 |
| 105 | v-myb dominance over v-myc in doubly transformed chick myelomonocytic cells. <i>Cell</i> , 1987, 51, 41-50. | 13.5 | 72 |
| 106 | Polarization-selective grating mirrors used in the generation of radial polarization. <i>Applied Physics B: Lasers and Optics</i> , 2005, 80, 707-713. | 1.1 | 72 |
| 107 | Strain-specific antigen of the avian leukosis sarcoma virus group. <i>Virology</i> , 1970, 40, 530-539. | 1.1 | 69 |
| 108 | Illuminating the proton radius conundrum: the $^4\text{He}^{++}$ Lamb shift This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at <i>École de Physique, les Houches, France</i> , 30 May - 4 June, 2010.. <i>Canadian Journal of Physics</i> , 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. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 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. <i>Experimental Hematology</i> , 2007, 35, 490-499.e1. | 0.2 | 66 |
| 111 | Avian leukemia viruses oncogenes and genome structure. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1982, 651, 245-271. | 3.3 | 65 |
| 112 | Multiple reflections and Fresnel absorption in an actual 3D keyhole during deep penetration laser welding. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 4703-4712. | 1.3 | 64 |
| 113 | High-power Yb:YAG single-crystal fiber amplifiers for femtosecond lasers in cylindrical polarization. <i>Optics Letters</i> , 2015, 40, 2517. | 1.7 | 64 |
| 114 | Evidence for additive and synergistic action of mammalian enhancers during cell fate determination. <i>ELife</i> , 2021, 10, . | 2.8 | 64 |
| 115 | Early decisions in lymphoid development. <i>Current Opinion in Immunology</i> , 2007, 19, 123-128. | 2.4 | 63 |
| 116 | Power scaling of fundamental-mode thin-disk lasers using intracavity deformable mirrors. <i>Optics Letters</i> , 2012, 37, 5033. | 1.7 | 63 |
| 117 | Semiconductor membrane external-cavity surface-emitting laser (MECSEL). <i>Optica</i> , 2016, 3, 1506. | 4.8 | 63 |
| 118 | High-power Nd:YLF laser end pumped by a diode-laser bar. <i>Optics Letters</i> , 1993, 18, 1317. | 1.7 | 62 |
| 119 | High-power radially polarized Yb:YAG thin-disk laser with high efficiency. <i>Optics Express</i> , 2011, 19, 5093. | 1.7 | 62 |
| 120 | Measuring the $\hat{\pm}$ -particle charge radius with muonic helium-4 ions. <i>Nature</i> , 2021, 589, 527-531. | 13.7 | 62 |
| 121 | Novel X-ray System for in-situ Diagnostics of Laser Based Processes " First Experimental Results. <i>Physics Procedia</i> , 2011, 12, 761-770. | 1.2 | 60 |
| 122 | High-quality processing of CFRP with a 1.1-kW picosecond laser. <i>Applied Physics A: Materials Science and Processing</i> , 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. <i>Virology</i> , 1973, 56, 369-374. | 1.1 | 58 |
| 124 | Short-pulse Laser Processing of CFRP. <i>Physics Procedia</i> , 2012, 39, 137-146. | 1.2 | 57 |
| 125 | Processing constraints resulting from heat accumulation during pulsed and repetitive laser materials processing. <i>Optics Express</i> , 2017, 25, 3966. | 1.7 | 57 |
| 126 | Fibroblast-Derived Induced Pluripotent Stem Cells Show No Common Retroviral Vector Insertions. <i>Stem Cells</i> , 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. <i>PLoS Genetics</i> , 2013, 9, e1003503. | 1.5 | 55 |
| 128 | Diode-pumped passively mode-locked Nd:KGd(WO ₄) ₂ laser with 1-W average output power. <i>Optics Letters</i> , 2002, 27, 1478. | 1.7 | 53 |
| 129 | Comparison of the microbicidal and muramidase activities of mouse lysozyme M and P. <i>Biochemical Journal</i> , 2004, 380, 385-392. | 1.7 | 53 |
| 130 | Direct laser interference patterning of stainless steel by ultrashort pulses for antibacterial surfaces. <i>Optics and Laser Technology</i> , 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. <i>Blood</i> , 2010, 115, 4689-4698. | 0.6 | 50 |
| 132 | OneD: increasing reproducibility of Hi-C samples with abnormal karyotypes. <i>Nucleic Acids Research</i> , 2018, 46, e49-e49. | 6.5 | 50 |
| 133 | In Vitro Transformation of Chicken Bone Marrow Cells with Avian Erythroblastosis Virus. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1975, 30, 847-849. | 0.6 | 47 |
| 134 | Cells transformed by avian myelocytomatosis virus strain CMII contain a 90K gag-related protein. <i>Virology</i> , 1979, 98, 191-199. | 1.1 | 44 |
| 135 | Thermo-optical compensation methods for high-power lasers. <i>IEEE Journal of Quantum Electronics</i> , 2002, 38, 1620-1628. | 1.0 | 43 |
| 136 | Isolation of clonal strains of chicken embryo fibroblasts. <i>Experimental Cell Research</i> , 1977, 107, 417-428. | 1.2 | 41 |
| 137 | Transcriptional activation during cell reprogramming correlates with the formation of 3D open chromatin hubs. <i>Nature Communications</i> , 2020, 11, 2564. | 5.8 | 41 |
| 138 | Understanding of Humping Based on Conservation of Volume Flow. <i>Physics Procedia</i> , 2011, 12, 232-240. | 1.2 | 40 |
| 139 | Studies on the reproductive and cell-converting abilities of avian sarcoma viruses. <i>Virology</i> , 1971, 43, 427-441. | 1.1 | 39 |
| 140 | S13, a rapidly oncogenic replication-defective avian retrovirus. <i>Virology</i> , 1985, 145, 141-153. | 1.1 | 39 |
| 141 | Lasing properties of diode-laser-pumped Nd:KGW. <i>Optical Engineering</i> , 1995, 34, 2349. | 0.5 | 39 |
| 142 | Polarization dependence of laser interaction with carbon fibers and CFRP. <i>Optics Express</i> , 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. <i>Virology</i> , 1981, 111, 201-210. | 1.1 | 38 |
| 144 | Laser beam quality, entropy and the limits of beam shaping. <i>Optics Communications</i> , 1996, 131, 77-83. | 1.0 | 37 |

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|-----|---|-----|-----------|
| 145 | Pre-B cell to macrophage transdifferentiation without significant promoter DNA methylation changes. <i>Nucleic Acids Research</i> , 2012, 40, 1954-1968. | 6.5 | 37 |
| 146 | Reprogramming human B cells into induced pluripotent stem cells and its enhancement by C/EBP β . <i>Leukemia</i> , 2016, 30, 674-682. | 3.3 | 36 |
| 147 | Yb:CaGdAlO ₄ thin-disk laser. <i>Optics Letters</i> , 2011, 36, 4134. | 1.7 | 35 |
| 148 | Musashi 2 in hematopoiesis. <i>Current Opinion in Hematology</i> , 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. <i>Physics Procedia</i> , 2013, 41, 488-495. | 1.2 | 34 |
| 150 | Broadband pulse compression gratings with measured 997% diffraction efficiency. <i>Optics Letters</i> , 2014, 39, 323. | 1.7 | 34 |
| 151 | Statistical evaluation method to determine the laser welding depth by optical coherence tomography. <i>Optics and Lasers in Engineering</i> , 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. <i>Science and Technology of Welding and Joining</i> , 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. <i>Physics Procedia</i> , 2013, 41, 49-58. | 1.2 | 32 |
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