

Publications 2020

1	Kuchma, Oleksandra & Janz, Dennis & Leinemann, Ludger & Polle, Andrea & Krutovsky, Konstantin & Gailing, Oliver. (2020). Hybrid and Environmental Effects on Gene Expression in Poplar Clones in Pure and Mixed with Black Locust Stands. <i>Forests</i> . 11. 1075. 10.3390/f11101075.
2	Götz, Jeremias & Krutovsky, Konstantin & Leinemann, Ludger & Müller, Markus & Rajora, Om & Gailing, Oliver. (2020). Chloroplast Haplotypes of Northern Red Oak (<i>Quercus rubra</i> L.) Stands in Germany Suggest Their Origin from Northeastern Canada. <i>Forests</i> . 11. 1025. 10.3390/f11091025.
3	Kätzel, Ralf & Schroeder, Jens & Becker, Frank & Leinemann, Ludger & Grüll, Martin & Hosius, Bernhard & Löffler, Sonja. (2020). Die Rot-Eiche (<i>Quercus rubra</i> L.) - Von der Ersatzbank ins Spielfeld? Im Buch „Wald im Wandel – Risiken und Lösungsansätze“, Publisher: Ministerium für Landwirtschaft, Umwelt und Landwirtschaft des Landes Brandenburg, S. 95-106.
4	Caré O, Gailing O, Müller M, Konstantin, Krutovsky KV and Leinemann L (2020). Mating system in a native Norway spruce (<i>Picea abies</i> [L.] KARST.) stand - Relatedness and effective pollen population size show an association with the germination percentage of single tree progenies. <i>Diversity</i> . 12. 266. 10.3390/d12070266.
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8	Höltken AM, Eusemann P, Kersten B, Liesebach H, Kahlert K, Karopka M, Kätzel R, Kuchma O, Leinemann L, Rose B, Tröber U, Wolf H, Voth W, Kunz M, Fussi B. (2020). Das Verbundprojekt GENMON: Einrichtung eines genetischen Langzeit-Monitorings in Buchenbeständen (<i>Fagus sylvatica</i> L.). In Liesebach M (ed.) <i>Forstpflanzenzüchtung für die Praxis: 6. Tagung der Sektion Forstgenetik/Forstpflanzenzüchtung vom 16. bis 18. September 2019 in Dresden : Tagungsband</i> . Braunschweig: Johann Heinrich von Thünen-Institut, 296p. Thünen-Rep 76, DOI:10.3220/REP1584625360000. S. 230 – 245.
9	Caré O, Gailing O, Müller M, Krutovsky KV, Leinemann L. (2020). Assoziation zwischen Kandidatengen und der Kronenform der Fichte (<i>Picea abies</i> (L.) H. KARST.) zeigt die Klimaadaptation autochthoner Hochlagenbestände. In Liesebach M (ed.) <i>Forstpflanzenzüchtung für die Praxis: 6. Tagung der Sektion Forstgenetik/Forstpflanzenzüchtung vom 16. bis 18. September 2019 in Dresden: Tagungsband</i> . Braunschweig: Johann Heinrich von Thünen-Institut, 296p. Thünen-Rep 76, DOI:10.3220/REP1584625360000. S. 73 -84.
10	Pettenkofer, Tim & Finkeldey, · & Müller, Markus & Krutovsky, Konstantin & Vornam, Barbara & Leinemann, · & Gailing, O. (2020). Genetic variation of introduced red oak (<i>Quercus rubra</i>) stands in Germany compared to North American populations. <i>European Journal of Forest Research</i> . 10.1007/s10342-019-01256-5.

11	Caré, Oliver & Gailing, Oliver & Müller, Markus & Krutovsky, Konstantin & Leinemann, Ludger. (2020). Crown morphology in Norway spruce (<i>Picea abies</i> [KARST.] L.) as adaptation to mountainous environments is associated with single nucleotide polymorphisms (SNPs) in genes regulating seasonal growth rhythm. <i>Tree Genetics & Genomes</i> . 16. 4. 10.1007/s11295-019-1394-x.
12	Lebedev V. G., N. M. Subbotina, O. P. Maluchenko, T. N. Lebedeva, K. V. Krutovsky, K. A. Shestibratov. 2020. Transferability and polymorphism of SSR markers located in flavonoid pathway genes in <i>Fragaria</i> and <i>Rubus</i> species. <i>Genes</i> 11(1): 11. https://doi.org/10.3390/genes11010011 .
13	Breidenbach N., H. Wildhagen, C. Bandurski, L. Engelhardt, M. Büttner, O. Gailing, K. V. Krutovsky. 2020. Phänotypische und genetische Reaktionen von <i>Sequoia sempervirens</i> Herkünften auf Frosttemperaturen. In <i>Proceedings Liesebach M (ed) Forstpflanzenzüchtung für die Praxis: 6. Tagung der Sekti on Forstgenetik/Forstpflanzenzüchtung vom 16. Bis 18. September 2019 in Dresden: Tagungsband</i> . Braunschweig: Johann Heinrich von Thünen-Institut, 296 p, Thünen Rep 76, doi:10.3220/rep1584625360000, pp. 200-210 (https://www.thuenen.de/media/publikationen/thuenen-report/Thuenen_Report_76.pdf).
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15	Akulova V.S., Sharov V.V., Aksyonova A.I., Putintseva Yu.A., Oreshkova N.V., Feranchuk S.I., Kuzmin D.A., Pavlov I.N., Krutovsky K.V. De novo assembly and annotation of <i>Armillaria borealis</i> genome. In <i>Proceedings of the 6th International Conference «Conservation of Forest Genetic Resources»</i> , Shchuchinsk, September 16-20, 2019. – Kokshetau, publishing house "World of Printing", IE "Ustyugova", 2019, p. 8-10 (http://kazniilha.kz/content/konferenciya-2019 ; http://kazniilha.kz/public/files/2019/9/20/200919_095838_sbornik-mat-6-meghd-konf-sovesch-sohranenie-lesnyh-geneticheskikh-resur.pdf).
16	Biriukov V.V., Akulova V.S., Sharov V.V., Oreshkova N.V., Simonov E.P., Pavlov I.N., Litovka Yu.A., Putintseva Yu.A., Kuzmin D.A., Krutovsky K.V. Assembly and annotation of <i>Neonectria sibiricum</i> Pavlov & Litovka transcriptome. In <i>Proceedings of the 6th International Conference «Conservation of Forest Genetic Resources»</i> , Shchuchinsk, September 16-20, 2019. – Kokshetau, publishing house "World of Printing", IE "Ustyugova", 2019, p. 12-14 (http://kazniilha.kz/content/konferenciya-2019 ; http://kazniilha.kz/public/files/2019/9/20/200919_095838_sbornik-mat-6-meghd-konf-sovesch-sohranenie-lesnyh-geneticheskikh-resur.pdf).
17	Krutovsky K.V., Akulova V.S., Belkov V.I., Biriukov V.V., Bondar E.I., Feranchuk S.I., Konstantinov Yu.M., Kuzmin D.A., Novikova S.V., Oreshkova N.V., Putintseva Y.A., Sadovsky M.G., Sharov V.V., Shmakov V.N., Simonov E.P. Postgenomic technologies in practical forestry: development of genome-wide markers for timber origin identification and other applications. In <i>Proceedings of the 6th International Conference «Conservation of Forest Genetic Resources»</i> , Shchuchinsk, September 16-20, 2019. – Kokshetau, publishing house "World of Printing", IE "Ustyugova", 2019, p. 16-18 (http://kazniilha.kz/content/konferenciya-2019 ; http://kazniilha.kz/public/files/2019/9/20/200919_095838_sbornik-mat-6-meghd-konf-sovesch-sohranenie-lesnyh-geneticheskikh-resur.pdf).

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19	Krutovsky, K. V., Lu M., Loopstra C. A. 2019. Population genomics of conifers and study of adaptive variation to preserve biodiversity. In Proceedings of the VII International Scientific Conference "Principles and Methods of Biodiversity Conservation", March 18–22, 2019, Yoshkar-Ola, Russia, p. 13-15. http://kologrivskiy-les.ru/wp-content/uploads/2019/04/SBORNIK_B-G-a-I-G-G-a-I-_2019.pdf .
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