Publications in Impacted Journals

[P1] Doroshenko, M. E., Jelínková, H., **Říha, A.**, Jelínek, M., Němec, M., Kovalenko, N. O., Gerasimenko, A. S.: Mid-IR (4.4 µm) $Zn_{1-x}Mn_xSe:Cr^{2+},Fe^{2+}$ ($x \approx 0.3$) laser pumped by 1.7 µm laser using $Cr^{2+} \rightarrow Fe^{2+}$ energy transfer, *Optics Letters*, Jun. 2019, **vol. 44(11)**, p. 2724–2727.

[P2] Doroshenko, M., Jelínek, M., **Říha, A.**, Šulc, J., Jelínková, H., Kubeček, V., Kovalenko, N. O., Gerasimenko, A. S.: Long-pulse 4.4–4.6 µm laser oscillations of Fe^{2+} ions in a $Zn_{1-x}Mn_xSe$ ($x \approx 0.3$) crystal pumped by a 1940 nm Tm fiber laser through $Cr^{2+} \rightarrow Fe^{2+}$ energy transfer, *Optics Letters*, Nov. 2019, **vol. 44(21)**, p. 5334–5337.

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[P5] **Říha, A.**, Doroshenko, M. E., Jelínková, H., Němec, M., Jelínek, M., Šulc, J., Vyhlídal, D., Kovalenko, N. O., Terzin, I. S.: 2.3- and 4.4-µm lasing in $Cr,Fe:Zn_{1-x}Mn_xSe$ ($x \approx 0.3$) single crystal pumped by Q-switched Er:YLF laser at 1.73 µm, *Physics of Wave Phenomena*, Jul. 2020, **vol. 28(3)**, p. 231–235.

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[P7] **Říha, A.**, Jelínková, H., Doroshenko, M. E., Jelínek, M., Šulc, J., Němec, M., Vyhlídal, D., Kovalenko, N. O.: Mid-infrared laser generation of $Zn_{1-x}Mn_xSe$ and $Zn_{1-x}Mg_xSe$ ($x \approx 0.3$) single crystals co-doped by Cr^{2+} and Fe^{2+} ions – comparison of different excitation wavelengths, *Materials*, Jul. 2022, **vol. 15(15)**, p. 5277.