

Complete list of publications of Katarzyna Siewierska

Publications with peer-review process

1. Atcheson G., **Siewierska K.E.**, Coey J.M.D., Rode K. & Stamenov P. (2022): Stability of Mn_2Ru_xGa -based Multilayer Stacks. In: Thin Solid Films, 139104.
2. **Siewierska K.E.**, Atcheson G., Jha A., Esien K., Smith R., Lenne S., Teichert N., O'Brien J., Coey J.M.D., Stamenov P. & Rode K. (2021): Magnetic order and magnetotransport in half-metallic ferrimagnetic Mn_yRu_xGa thin films. In: Physical Review B 104 (6), 064414.
3. Teichert, N.,* Atcheson, G., Siewierska, K. E., Sanz-Ortiz, M. N., Venkatesan, M., Rode, K., Felton, S., Stamenov, P. & Coey, J. M. D. (2021): Magnetic reversal and pinning in a perpendicular zero-moment half-metal. In: Physical Review Materials 5 (3), 034408.
4. Banerjee C., Teichert N., Siewierska, K. E., Gercsi Z., Atcheson G. Y. P., Stamenov P., Rode K., Coey J. M. D. & Besbas J.* (2020): Single pulse all-optical toggle switching of magnetization without gadolinium in the ferrimagnet Mn_2Ru_xGa . In: Nature Communications 11 (1), 4444.
5. Bonfiglio G., Rode K., **Siewierska, K. E.**, Besbas J., Atcheson G. Y. P., Stamenov P., Coey J. M. D., Kimel A. V., Rasing T. & Kirilyuk A.* (2019): Magnetization dynamics of the compensated ferrimagnet Mn_2Ru_xGa . In: Physical Review B 100 (10), 104438.
6. Khan T. M., Lunney J. G.,* O'Rourke D., Meyer M.-C., Creel J. R., **Siewierska K. E.** (2019): Various pulsed laser deposition methods for preparation of silver-sensitised glass and paper substrates for surface-enhanced Raman spectroscopy. In: Applied Physics A 125 (9), 659.
7. **Siewierska K. E.**,* Teichert N., Schäfer R., Coey J. M. D. (2018): Imaging Domains in a Zero-Moment Half Metal. In: IEEE Transactions on Magnetics 55 (2), p. 1-4.
8. Toktarbaiuly O., Usov V., O'Coileáin C., **Siewierska K. E.**, Krasnikov S., Norton E., Bozhko S. I., Semenov V. N., Chaika A. N., Murphy B. E., Lübben O., Krzyzewski F., Załuska-Kotur M. A., Krasteva A., Popova H., Tonchev V., Shvets I. V. (2018): Step bunching with both directions of the current: Vicinal W (110) surfaces versus atomistic scale model. In: Physical Review B 97 (3), 035436.
9. Gough J. J., **Siewierska K. E.**, Mehigan S., Hanlon D., Backes C., Gholamvand Z., Szydłowska B. M., Blau W. J., McCabe E., Bradley A. L.* (2017): Influence of graphene oxide/Ag nanoparticle composites on the fluorescence properties of organic dyes. In: Journal of Nanoscience and Nanotechnology 17 (12), p. 8901 – 8911.
10. Khan T. M., Mujawar M. A., **Siewierska K. E.**, Pokle A., Donnelly T., McEvoy N., Duesberg G. S., Lunney J. G.* (2017): Atmospheric pulsed laser deposition and thermal annealing of plasmonic silver nanoparticle films. In: Nanotechnology 28 (44), 445601.
11. **Siewierska K. E.**,* Atcheson G., Borisov K., Venkatesan M., Rode K., Coey J. M. D. (2017): Study of the Effect of Annealing on the Properties of Mn_2Ru_xGa Thin Films. In: IEEE Transactions on Magnetics 53 (11), p. 1 – 5.
12. **Siewierska K. E.**, Tonchev V.* (2016): Scaling of the minimal step-step distance with the step-bunch size: Theoretical predictions and experimental findings. In: Journal of the Japanese Association for Crystal Growth 4 (6), p. 204 – 212.