# ISEM 2013 publication list

Legend: IF is the Journal Impact Factor as provided by JCR; AI is Article Influence score as provided by Eigenfactor.org. For more information on AI metrics, please refer to the information provided at http://www.eigenfactor.org/faq.php

1. H. Agil, O. Cicek, E. Ertekin, A. Motaman, M. S. Hossain, S. X. Dou, and A. Gencer, "Effects of MgO on the electronic and superconducting properties in succinic acid ($C_4H_6O_4$) doped $MgB_2$ bulks", ***Journal of Superconductivity and Novel Magnetism*** 26, 1525 (2013); (IF: 0.702; AI: 0.237)

2. S. Aminorroaya-Yamini, T. Ikeda, A. Lalonde, Y. Z. Pei, S. X. Dou, and G. J. Snyder, "Rational design of p-type thermoelectric PbTe: temperature dependent sodium solubility", ***Journal of Materials Chemistry A*** 1, 8725 (2013); (IF: N/A; AI: N/A)

3. Y. Bai, Z. Xing, H. Yu, Z. Li, R. Amal, and L. Z. Wang, "Porous titania nanosheet/nanoparticle hybrids as photoanodes for dye-sensitized solar cells", ***ACS Applied Materials & Interfaces*** 5, 12058 (2013); (IF: 5.008; AI: 1.277)

4. P. T. Bao, W. X. Li, W. K. Yeoh, X. Y. Cui, J. H. Kim, Y. M. Kang, W. R. Yang, S. X. Dou, S. P. Ringer, and R. K. Zheng, "Magnetotransport dependence on the field magnitude and direction in large area epitaxial graphene film on stretchable substrates", ***Applied Physics Letters*** 102, 092405 (2013); (IF: 3.794; AI: 1.388)

5. F. H. Bijarbooneh, Y. Zhao, J. H. Kim, Z. Q. Sun, V. Malgras, S. H. Aboutalebi, Y. U. Heo, M. Ikegami, and S. X. Dou, "Aqueous colloidal stability evaluated by zeta potential measurement and resultant $TiO_2$ for superior photovoltaic performance", ***Journal of the American Ceramic Society*** 96, 2636 (2013); (IF: 2.107; AI: 0.767)

6. F. H. Bijarbooneh, Y. Zhao, Z. Sun, Y. U. Heo, V. Malgras, J. H. Kim, and S. X. Dou, "Structurally stabilized mesoporous $TiO_2$ nanofibres for efficient dye-sensitized solar cells", ***APL Materials*** 1, 032106 (2013); (IF: N/A; AI: N/A)

7. A. Borroto, L. Del Rio, E. Altshuler, M. Arronte, P. Mikheenko, A. Qviller, and T. H. Johansen, "Local transport in multi-filamentary superconductors: longitudinal versus transverse dissipation", ***Superconductor Science & Technology*** 26, 115004 (2013); (IF: 2.758; AI: 0.812)

8. T. Boutard, B. Rousseau, C. Couteau, C. Tomasoni, C. Simonnard, C. Jacquot, L. J. M. Coiffard, K. Konstantinov, T. Devers, and C. Roussakis, "Comparison of photoprotection efficiency and antiproliferative activity of ZnO commercial sunscreens and $CeO_2$", ***Materials Letters*** 108, 13 (2013); (IF: 2.224; AI: 0.583)

9. A. Briggs, S. Corde, S. Oktaria, R. Brown, A, Rosenfeld, M. Lerch, K. Konstantinov, and M. Tehei, "Cerium oxide nanoparticles: influence of the high-Z component revealed on radioresistant 9L cell survival under X-ray irradiation", ***Nanomedicine - Nanotechnology Biology and Medicine*** 9, 1098 (2013); (IF: 6.930; AI: 1.787)

10. S. J. Campbell, M. Hofmann, R. A. Mole, K. Prokes, D. Wallacher, and J. L. Wang, "Magnetic order in $YbMn_2Si_2$ - Neutron scattering investigation", ***Journal of the Korean Physical Society*** 63, 314 (2013); (IF: 0.506; AI: 0.110)

11. D. Cardillo, K. Konstantinov, and T. Devers, "The effects of cerium doping on the size, morphology, and optical properties of alpha-hematite nanoparticles for ultraviolet filtration", ***Materials Research Bulletin*** 48, 4521 (2013); (IF: 1.913; AI: 0.547)

12. Q. J. Chen, Y. S. Ang, X. L. Wang, R. A. Lewis, and C. Zhang, "Energy loss rate of a charged particle in HgTe/(HgTe, CdTe) quantum wells", ***Applied Physics Letters*** 103, 192107 (2013); (IF: 3.794; AI: 1.388)

13. S. K. Chen, K. Y. Tan, A. S. Halim, X. Xu, K. S. B. De Silva, W. K. Yeoh, S. X. Dou, A. Kursumovic, and J. L. MacManus-Driscoll, "Reaction method control of impurity scattering in C-doped $MgB_2$: proving the role of defects besides C substitution level", ***Superconductor Science & Technology*** 26, 125018 (2013); (IF: 2.758; AI: 0.812)

14. S. W. Chen, M. J. Huang, P. A. Lin, H. T. Jeng, J. M. Lee, S. C. Haw, S. A. Chen, H. J. Lin, K. T. Lu, D. P. Chen, S. X. Dou, X. L. Wang, and J. Chen, "Orbital structure of $FeTiO_3$ ilmenite investigated with polarization-dependent X-ray absorption spectroscopy and band structure calculations", ***Applied Physics Letters*** 102, 042107 (2013); (IF: 3.794; AI: 1.388)

15. X. W. Chen, F. Yuan, Q. F. Gu, Y. B. Tan, H. K. Liu, S. X. Dou, and X. B. Yu, "Improved dehydrogenation properties of the combined $Mg(BH_4)(_2)\cdot 6NH_3$ - $nNH_3BH_3$ system", ***International Journal of Hydrogen Energy*** 38, 16199 (2013); (IF: 3.548; AI: 0.720)

16. Y. Cheng, W. C. Hao, W. X. Li, H. Z. Xu, R. Chen, and S. X. Dou, "The variation of Mn-dopant distribution state with x and its effect on the magnetic coupling mechanism in $Zn_{1-x}Mn_xO$ nanocrystals", ***Chinese Physics B*** 22, 107501 (2013); (IF: 1.148; AI: 0.191)

17. S. Choi, M. S. Hossain, J. H. Kim, S. X. Dou, J. H. Yoon, B. S. Lee, M. S. Won, T. Kiyoshi, J. Kang, H. Kang, and S. H. Lee, "Magnetization loss of $MgB_2$ superconducting wire at various temperatures", ***Journal of Superconductivity and Novel Magnetism*** 26, 1531 (2013); (IF: 0.702; AI: 0.237)

18. S. L. Chou, X. Y. Wang, J. T. Xu, J. Z. Wang, H. K. Liu, and S. X. Dou, "A hybrid electrolyte energy storage device with high energy and long life using lithium anode and $MnO_2$ nanoflake cathode", ***Electrochemistry Communications*** 31, 35 (2013); (IF: 4.425; AI: 1.294)

19. F. Colauto, J. I. Vestgarden, A. M. H. de Andrade, A. A. M. Oliveira, W. A. Ortiz, and T. H. Johansen, "Limiting thermomagnetic avalanches in superconducting films by stop-holes", ***Applied Physics Letters*** 103, 032604 (2013); (IF: 3.794; AI: 1.388)

20. K. S. B. De Silva, S. H. Aboutalebi, X. Xu, X. L. Wang, W. X. Li, K. Konstantinov, and S. X. Dou, "A significant improvement in both low- and high-field performance of $MgB_2$ superconductors through graphene oxide doping", ***Scripta Materialia*** 69, 437 (2013); (IF: 2.821; AI: 1.208)

21. K. S. B. De Silva, X. Xu, S. Gambhir, D. C. K. Wong, W. X. Li, and Q. Y. Hu, "Effect of sintering temperature on the superconducting properties of graphene doped $MgB_2$", ***IEEE Transactions on Applied Superconductivity*** 23, 7100604 (2013); (IF: 1.199; AI: 0.220)

22. J. C. Debnath, R. Zeng, A. M. Strydom, J. Q. Wang, and S. X. Dou, "Ideal Ericsson cycle magnetocaloric effect in $(La_{0.9}Gd_{0.1})_{0.67}Sr_{0.33}MnO_3$ single crystalline nanoparticles", ***Journal of Alloys and Compounds*** 555, 33 (2013); (IF: 2.390; AI: 0.509)

23. J. C. Debnath, P. Shamba, A. M. Strydom, J. L. Wang, and S. X. Dou, "Investigation of the critical behavior in $Mn_{0.94}Nb_{0.06}CoGe$ alloy by using the field dependence of magnetic entropy change", ***Journal of Applied Physics*** 113, 093902 (2013); (IF: 2.210; AI: 0.836)

24. J. C. Debnath, J. H. Kim, Y. Heo, A. M. Strydom, and S. X. Dou, "Correlation between structural parameters and the magnetocaloric effect in epitaxial $La_{0.8}Ca_{0.2}MnO_3/LaAlO_3$ thin film", ***Journal of Applied Physics*** 113, 063508 (2013); (IF: 2.210; AI: 0.836)

25. J. C. Debnath, A. M. Strydom, P. Shamba, J. L. Wang, and S. X. Dou, "Critical phenomena and estimation of the spontaneous magnetization by a magnetic entropy analysis in $Mn_{0.96}Nb_{0.04}CoGe$ alloy", ***Journal of Applied Physics*** 113, 233903 (2013); (IF: 2.210; AI: 0.836)

26. M. F. M. Din, J. L. Wang, R. Zeng, P. Shamba, J. C. Debnath, and S. X. Dou, "Effects of Cu substitution on structural and magnetic properties of $La_{0.7}Pr_{0.3}Fe_{11.4}Si_{1.6}$ compounds", ***Intermetallics*** 36, 1 (2013); (IF: 1.857; AI: 0.637)

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30. X. H. Fan, B. Xu, B. Tian, X. F. Guo, and X. L. Wang, "Microstructures of diamond/metallic film interface and growth mechanism of diamond in Fe-Ni-C system at high pressure and high temperature", ***Materials Research Innovations*** 17, S45 (2013); (IF: 0.321; AI: 0.182)

31. X. P. Fang, C. X. Hua, C. R. Wu, X. F. Wang, L. Y. Shen, Q. Y. Kong, J. Z. Wang, Y. S. Hu, Z. X. Wang, and L. Q. Chen, "Synthesis and electrochemical performance of graphene-like $WS_2$", ***Chemistry - A European Journal*** 19, 5694 (2013); (IF: 5.831; AI: 1.532)

32. S. A. Fedoseev, A. V. Pan, S. Rubanov, I. A. Golovchanskiy, and O. V. Shcherbakova, "Large, controllable spikes of magnetoresistance in $La_{2/3}Ca_{1/3}MnO_3/SrTiO_3$ superlattices", ***ACS Nano*** 7, 286 (2013); (IF: 12.062; AI: 3.767)

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38. S. R. Ghorbani, M. Darini, X. L. Wang, M. S. Hossain, and S. X. Dou, "Vortex flux pinning mechanism and enhancement of in-field J(c) in succinic acid doped $MgB_2$", ***Solid State Communications*** 168, 1 (2013); (IF: 1.534; AI: 0.768)

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61. L. M. Lepodise, J. Horvat, and R. A. Lewis, “Collective librations of water molecules in the crystal lattice of rubidium bromide: experiment and simulation”, ***Physical Chemistry Chemical Physics*** 15, 20252 (2013); (IF: 3.829; AI: 1.243)

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