

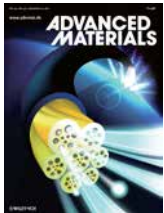
# REFEREED PUBLICATIONS

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## JOURNAL ARTICLES

1. S. H. Aboutalebi, A. T. Chidembo, M. Salari, K. Konstantinov, D. Wexler, H. K. Liu, and S. X. Dou, "Comparison of GO, GO/MWCNTs composite and MWCNTs as potential electrode materials for supercapacitors", *Energy and Environmental Science* 4, 1855 (2011). (IF: 9.61)
2. S. Aminorroaya, A. Ranjbar, Y. H. Cho, H. K. Liu, and A. K. Dahle, "Hydrogen storage properties of Mg-10 wt% Ni alloy co-catalysed with niobium and multi-walled carbon nanotubes", *International Journal of Hydrogen Energy* 36, 571 (2011). (IF: 4.054)
3. Y. S. Ang and C. Zhang, "Subgap optical conductivity in semihydrogenated graphene", *Applied Physics Letters* 98, 042107 (2011). (IF: 3.844)
4. Y. S. Ang, C. Zhang, and C. Y. Kee, "Energy-loss rate of a fast particle in graphene", *Applied Physics Letters* 99, 053111 (2011). (IF: 3.844)
5. V. Aravindan, J. Gnanaraj, S. Madhavi, and H. K. Liu, "Lithium-ion conducting electrolyte salts for lithium batteries", *Chemistry – A European Journal* 17, 14326 (2011). (IF: 5.925)
6. C. Z. Chen, Z. Y. Liu, Y. M. Lu, L. Zeng, C. B. Cai, R. Zeng, and S. X. Dou, "Robust high-temperature magnetic pinning induced by proximity in  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ / $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$  hybrids", *Journal of Applied Physics* 109, 073921 (2011). (IF: 2.168)
7. Z. X. Cheng, H. Y. Zhao, Y. Du, H. Kimura, K. Ozawa, and X. L. Wang, "Exchange bias in multiferroic  $\text{BiFeO}_3$  and  $\text{YMnO}_3$  multilayers: One more parameter for magnetoelectric manipulation", *Scripta Materialia* 65, 249 (2011). (IF: 2.699)
8. Z. X. Cheng, X. L. Wang, S. X. Dou, M. Osada, and H. Kimura, "Strain modulated magnetization and colossal resistivity of epitaxial  $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$  film on  $\text{BaTiO}_3$  substrate", *Applied Physics Letters* 99, 092103 (2011). (IF: 3.844)
9. Y. H. Cho, K. Kim, S. Ahn, and H. K. Liu, "Allyl-substituted triazines as additives for enhancing the thermal stability of Li-ion batteries", *Journal of Power Sources* 196, 1483 (2011). (IF: 4.951)
10. Y. H. Cho, S. Aminorroaya, H. K. Liu, and A. K. Dahle, "The effect of transition metals on hydrogen migration and catalysis in cast Mg-Ni alloys", *International Journal of Hydrogen Energy* 36, 4984 (2011). (IF: 4.054)
11. S. Choi, T. Kiyoshi, J. H. Kim, and S. X. Dou, "AC loss in  $\text{MgB}_2$  superconducting wires at various operating temperatures", *IEEE Transactions on Applied Superconductivity* 21, 3342 (2011). (IF: 1.041)
12. K. Y. Choi, G. S. Jeon, X. F. Wang, X. H. Chen, X. L. Wang, M. H. Jung, S. I. Lee, and G. Park, "Giant magnetic flux jumps in single crystals of  $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ ", *Applied Physics Letters* 98, 182505 (2011). (IF: 3.844)
13. S. L. Chou, J. Z. Wang, H. K. Liu, and S. X. Dou, "Rapid synthesis of  $\text{Li}_4\text{Ti}_5\text{O}_{12}$  microspheres as anode materials and its binder effect for lithium-ion battery", *Journal of Physical Chemistry C* 115, 16220 (2011). (IF: 4.805)
14. S. L. Chou, J. Z. Wang, Z. X. Chen, H. K. Liu, and S. X. Dou, "Hollow hematite nanosphere/carbon nanotube composite: mass production and its high-rate lithium properties", *Nanotechnology* 22, 265401 (2011). (IF: 3.979)
15. S. L. Chou, L. Lu, J. Z. Wang, M. M. Rahman, C. Zhong, and H. K. Liu, "The compatibility of transition metal oxide/carbon composite anode and ionic liquid electrolyte for the lithium-ion battery", *Journal of Applied Electrochemistry* 41, 1261 (2011). (IF: 1.745)
16. S. L. Chou, X. W. Gao, J. Z. Wang, D. Wexler, Z. X. Wang, L. Q. Chen, and H. K. Liu, "Tin/polypyrrole composite anode using sodium carboxymethyl cellulose binder for lithium-ion batteries", *Dalton Transactions* 40, 12801 (2011). (IF: 3.838)
17. D. L. Cortie and R. A. Lewis, "Role of vanguard counterpotential in terahertz emission due to surface currents explicated by three-dimensional ensemble Monte Carlo simulation", *Physical Review B* 84, 155328 (2011). (IF: 3.691)
18. D. L. Cortie and R. A. Lewis, "The importance of scattering, surface potential, and vanguard counterpotential in terahertz emission from gallium arsenide", *Applied Physics Letters* 100, 261601 (2011). (IF: 3.844)
19. J. C. Debnath, R. Zeng, J. H. Kim, and S. X. Dou, "Improvement of refrigerant capacity of  $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$  material with a few percent Co doping", *Journal of Magnetism and Magnetic Materials* 323, 139 (2011). (IF: 1.780)
20. J. C. Debnath, R. Zeng, J. H. Kim, and S. X. Dou, "Large magnetic entropy change near room temperature in  $\text{La}_{0.7}(\text{Ca}_{0.27}\text{Ag}_{0.03})\text{MnO}_3$  perovskite", *Journal of Alloys and Compounds* 509, 3699 (2011). (IF: 2.289)
21. K. S. B. De Silva, X. Xu, S. Gambhir, X. L. Wang, W. X. Li, G. G. Wallace, and S. X. Dou, "Flux pinning mechanisms in graphene-doped  $\text{MgB}_2$  superconductors", *Scripta Materialia* 65, 634 (2011). (IF: 2.699)
22. G. D. Du, B. Wan, Z. P. Guo, J. N. Shen, Y. Li, and H. K. Liu, "Effect of annealing on electrochemical performance of anodized  $\text{TiO}_2$  nanotubes for ion batteries", *Advanced Science Letters* 4, 469 (2011). (IF: N/A)

23. G. D. Du, J. Q. Wang, Z. P. Guo, Z. X. Chen, and H. K. Liu, "Layered delta-MnO<sub>2</sub> as positive electrode for lithium intercalation", *Materials Letters* 65, 1319 (2011). (IF: 2.307)
24. G. D. Du, K. H. Seng, Z. P. Guo, J. Liu, W. X. Li, D. Z. Jia, C. Cook, Z. W. Liu, and H. K. Liu, "Graphene-V<sub>2</sub>O<sub>5</sub>·nH<sub>2</sub>O xerogel composite cathodes for lithium ion batteries", *RSC Advances* 1, 690 (2011). (IF: N/A)
25. G. D. Du, N. Sharma, V. K. Peterson, J. A. Kimpton, D. Z. Jia, and Z. P. Guo, "Br-doped Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> and composite TiO<sub>2</sub> anodes for Li-ion batteries: synchrotron X-Ray and in situ neutron diffraction studies", *Advanced Functional Materials* 21, 3990 (2011). (IF: 10.179)
26. Y. Du, X. L. Wang, D. P. Chen, S. X. Dou, Z. X. Cheng, M. Higgins, G. Wallace, and J. Y. Wang, "Domain wall conductivity in oxygen deficient multiferroic YMnO<sub>3</sub> single crystals", *Applied Physics Letters* 99, 252107 (2011). (IF: 3.844)
27. Y. Du, Z. X. Cheng, S. X. Dou, D. J. Attard, and X. L. Wang, "Fabrication, magnetic, and ferroelectric properties of multiferroic BiFeO<sub>3</sub> hollow nanoparticles", *Journal of Applied Physics* 109, 073903 (2011). (IF: 2.168)
28. Z. F. Dong, Y. D. Huang, D. Z. Jia, and Z. P. Guo, "Preparation and performance comparison of LiMn<sub>2</sub>O<sub>3.95</sub>Br<sub>0.05</sub> and LiMn<sub>2</sub>O<sub>3.95</sub>Br<sub>0.05</sub>/SiO<sub>2</sub> cathode materials for lithium-ion battery", *Journal of Solid State Electrochemistry* 15, 725 (2011). (IF: 2.131)
29. Z. Y. Feng, D. Q. Shi, and S. X. Dou, "Large electrocaloric effect in highly (001)-oriented 0.67PbMg<sub>1/3</sub>Nb<sub>2/3</sub>O<sub>3-0.33</sub>PbTiO<sub>3</sub> thin films", *Solid State Communications* 151, 123 (2011). (IF: 1.649)
30. Z. Y. Feng, D. Q. Shi, R. Zeng, and S. X. Dou, "Large electrocaloric effect of highly (100)-oriented 0.68PbMg<sub>1/3</sub>Nb<sub>2/3</sub>O<sub>3-0.32</sub>PbTiO<sub>3</sub> thin films with a PbZr<sub>0.3</sub>Ti<sub>0.7</sub>O<sub>3</sub>/PbO<sub>x</sub> buffer layer", *Thin Solid Films* 519, 5433 (2011). (IF: 1.890)
31. I. A. Golovchanskiy, A. V. Pan, O. V. Shcherbakova, S. A. Fedoseev, and S. X. Dou, "An all-field-range description of the critical current density in superconducting YBCO films", *Superconductor Science and Technology* 24, 105020 (2011). (IF: 2.662)
32. Y. H. Guo, Q. F. Gu, Z. P. Guo, J. F. Mao, H. K. Liu, S. X. Dou, and X. B. Yu, "A GBH/LiBH<sub>4</sub> coordination system with favorable dehydrogenation", *Journal of Materials Chemistry* 21, 7138 (2011). (IF: 5.968)
33. M. F. Hassan, Z. P. Guo, Z. X. Chen, and H. K. Liu, "Alpha-Fe<sub>2</sub>O<sub>3</sub> as an anode material with capacity rise and high rate capability for lithium-ion batteries", *Materials Research Bulletin* 46, 858 (2011). (IF: 2.105)
34. F. Hong, Z. X. Cheng, and X. L. Wang, "Strong 4f electron interaction and magnetic ordering modification in Nd<sub>(1-x)</sub>Er<sub>x</sub>MnO<sub>3</sub> (0 ≤ x ≤ 0.5)", *Applied Physics Letters* 99, 192503 (2011). (IF: 3.844)
35. F. Hong, Z. X. Cheng, H. Y. Zhao, H. Kimura, and X. L. Wang, "Continuously tunable magnetic phase transitions in the DyMn<sub>(1-x)</sub>Fe<sub>x</sub>O<sub>3</sub> system", *Applied Physics Letters* 99, 092502 (2011). (IF: 3.844)
36. Y. D. Huang, D. Li, D. Z. Jia, Z. P. Guo, M. Miao, and W. I. Cho, "Preparation and characterization of Ag/C nanocables-modified nanosized C-LiFePO<sub>4</sub>", *Journal of Nanoparticle Research* 13, 4815 (2011). (IF: 3.287)
37. Y. D. Huang, R. R. Jiang, D. Z. Jia, and Z. P. Guo, "Preparation, microstructure and electrochemical performance of nanoparticles LiMn<sub>2</sub>O<sub>3.9</sub>Br<sub>0.1</sub>", *Materials Letters* 65, 3486 (2011). (IF: 2.307)
38. Y. D. Huang, Z. F. Dong, D. Z. Jia, Z. P. Guo, and W. I. Cho, "Electrochemical properties of alpha-Fe<sub>2</sub>O<sub>3</sub>/MWCNTs as anode materials for lithium-ion batteries", *Solid State Ionics* 201, 54 (2011). (IF: 2.646)
39. Y. D. Huang, Z. F. Dong, D. Z. Jia, Z. P. Guo, and W. I. Cho, "Preparation and characterization of core-shell structure Fe<sub>3</sub>O<sub>4</sub>/C nanoparticles with unique stability and high electrochemical performance for lithium-ion battery anode material", *Electrochimica Acta* 56, 9233 (2011). (IF: 3.832)
40. N. H. Idris, J. Z. Wang, S. L. Chou, C. Zhong, M. M. Rahman, and H. K. Liu, "Effects of polypyrrole on the performance of nickel oxide anode materials for rechargeable lithium-ion batteries", *Journal of Materials Research* 26, 860 (2011). (IF: 1.434)
41. N. H. Idris, M. M. Rahman, J. Z. Wang, Z. X. Chen, and H. K. Liu, "Synthesis and electrochemical performance of LiV<sub>3</sub>O<sub>8</sub>/carbon nanosheet composite as cathode material for lithium-ion batteries", *Composites Science and Technology* 71, 343 (2011). (IF: 3.144)
42. N. H. Idris, M. M. Rahman, S. L. Chou, J. Z. Wang, D. Wexler, and H. K. Liu, "Rapid synthesis of binary alpha-NiS-beta-NiS by microwave autoclave for rechargeable lithium batteries", *Electrochimica Acta* 58, 456 (2011). (IF: 3.832)
43. M. Ismail, Y. Zhao, X. B. Yu, and S. X. Dou, "Effect of different additives on the hydrogen storage properties of the MgH<sub>2</sub>-LiAlH<sub>4</sub> destabilized system", *RSC Advances* 1, 408 (2011). (IF: N/A)
44. M. Ismail, Y. Zhao, X. B. Yu, A. Ranjbar, and S. X. Dou, "Improved hydrogen desorption in lithium alanate by addition of SWCNT-metallic catalyst composite", *International Journal of Hydrogen Energy* 36, 3593 (2011). (IF: 4.054)

45. M. Ismail, Y. Zhao, X. B. Yu, I. P. Nevirkovets, and S. X. Dou, "Significantly improved dehydrogenation of  $\text{LiAlH}_4$  catalysed with  $\text{TiO}_2$  nanopowder", *International Journal of Hydrogen Energy* 36, 8327 (2011). (IF: 4.054)
46. M. Ismail, Y. Zhao, X. B. Yu, J. F. Mao, and S. X. Dou, "The hydrogen storage properties and reaction mechanism of the  $\text{MgH}_2$ - $\text{NaAlH}_4$  composite system", *International Journal of Hydrogen Energy* 36, 9045 (2011). (IF: 4.054)
47. H. B. Jian, Q. Li, D. Q. Shi, L. Zhang, Z. R. Yang, S. X. Dou, X. B. Zhu, and Y. P. Sun, "Preparation and properties of  $\text{Y}_{1-x}\text{Ho}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$  thin films by TFA-MOD method", *Physica C – Superconductivity and Its Applications* 471, 1669 (2011). (IF: 1.014)
48. P. Jood, R. J. Mehta, Y. L. Zhang, G. Peleckis, X. L. Wang, R. W. Siegel, T. Borca-Tasciuc, S. X. Dou, and G. Ramanath, "Al-Doped zinc oxide nanocomposites with enhanced thermoelectric properties", *Nano Letters* 11, 4337 (2011). (IF: 13.198)
49. Y. M. Kang, Y. I. Kim, M. W. Oh, R. Z. Yin, Y. Lee, D. W. Han, H. S. Kwon, J. H. Kim, and G. Ramanath, "Structurally stabilized olivine lithium phosphate cathodes with enhanced electrochemical properties through Fe doping", *Energy and Environmental Science* 4, 4978 (2011). (IF: 9.61)
50. B. J. Kim, S. K. Hong, J. G. Kim, J. H. Kim, S. X. Dou, L. Dunlop, A. Kursumovic, J. L. MacManus-Driscoll, H. G. Lee, and G. W. Hong, "Deposition of YBCO thin film by aerosol assisted spray pyrolysis using nitrates", *IEEE Transactions on Applied Superconductivity* 21, 2937 (2011). (IF: 1.041)
51.  J. H. Kim, S. Oh, H. Kumakura, A. Matsumoto, Y. U. Heo, K. S. Song, Y. M. Kang, M. Maeda, M. Rindfleisch, M. Tomsic, S. Choi, and S. X. Dou, "Tailored materials for high-performance  $\text{MgB}_2$  wire", *Advanced Materials* 23, 4942 (2011). (IF: 13.877)
52. I. R. M. Kottegoda, N. H. Idris, L. Lu, J. Z. Wang, and H. K. Liu, "Synthesis and characterization of graphene-nickel oxide nanostructures for fast charge-discharge application", *Electrochimica Acta* 56, 5815 (2011). (IF: 3.832)
53. R. A. Lewis, "Let's talk terahertz", *American Journal of Physics* 79, 341 (2011). (IF: 0.729)
54. Z. Li, A. J. Du, Q. Sun, M. Aljada, L. N. Cheng, M. J. Riley, Z. H. Zhu, Z. X. Cheng, X. L. Wang, J. Hall, E. Krausz, S. Z. Qiao, S. C. Smith, and G. Q. M. Lu, "Cobalt-doped cadmium selenide colloidal nanowires", *Chemical Communications* 47, 11894 (2011). (IF: 6.169)
55. W. X. Li, R. Zeng, Y. Zhang, X. Xu, Y. Li, and S. X. Dou, "Evolution of electromagnetic properties and microstructure with sintering temperature for  $\text{MgB}_2/\text{Fe}$  wires made by combined in-situ/ex-situ process", *IEEE Transactions on Applied Superconductivity* 21, 2635 (2011). (IF: 1.041)
56. W. X. Li, X. Xu, Q. H. Chen, Y. Zhang, S. H. Zhou, R. Zeng, and S. X. Dou, "Graphene micro-substrate-induced pi gap expansion in  $\text{MgB}_2$ ", *Acta Materialia* 59, 7268 (2011). (IF: 3.755)
57. J. F. Liu, B. Wang, Z. S. Ma, and C. Zhang, "Two-color terahertz response in bilayer graphene nanoribbons with spin-orbit coupling", *Applied Physics Letters* 98, 061107 (2011). (IF: 3.844)
58. J. F. Liu, Z. S. Ma, and C. Zhang, "Transverse current response in armchair graphene ribbons", *Journal of Applied Physics* 110, 034313 (2011). (IF: 2.168)
59. J. Liu, X. L. Chen, J. W. Wang, Y. Liu, Q. S. Huang, and Z. P. Guo, "Self-assembly of [100] grown ZnO nanowhiskers with exposed reactive (0001) facets on hollow spheres and their enhanced gas sensitivity", *Crystengcomm* 13, 3425 (2011). (IF: 3.842)
60. J. Liu, Z. P. Guo, J. W. Wang, Q. S. Huang, K. X. Zhu, and X. L. Chen, "Heterogeneous ZnS hollow urchin-like hierarchical nanostructures and their structure-enhanced photocatalytic properties", *Nanoscale* 3, 1470 (2011). (IF: 5.914)
61. J. Liu, Z. P. Guo, K. X. Zhu, W. J. Wang, C. F. Zhang, and X. L. Chen, "Highly porous metal oxide polycrystalline nanowire films with superior performance in gas sensors", *Journal of Materials Chemistry* 21, 11412 (2011). (IF: 5.968)
62. P. Liu, X. L. Wang, Z. X. Cheng, Y. Du, and H. Kimura, "Structural, dielectric, antiferromagnetic, and thermal properties of the frustrated hexagonal  $\text{Ho}_{1-x}\text{Er}_x\text{MnO}_3$  manganites", *Physical Review B* 83, 144404 (2011). (IF: 3.691)
63. J. Z. Lu, X. H. Qu, G. Peleckis, J. F. Boas, A. M. Bond, and L. L. Martin, "Synthesis and structural characterization of a TCNQ based organic semi-conducting material with a 2:5 stoichiometry", *Journal of Organic Chemistry* 76, 10078 (2011). (IF: 4.450)
64. L. Lu, J. Z. Wang, X. B. Zhu, X. W. Gao, and H. K. Liu, "High capacity and high rate capability of nanostructured  $\text{CuFeO}_2$  anode materials for lithium-ion batteries", *Journal of Power Sources* 196, 7025 (2011). (IF: 4.951)

65. J. F. Mao, Z. P. Guo, X. B. Yu, and H. K. Liu, "Enhanced hydrogen sorption properties in the  $\text{LiBH}_4$ - $\text{MgH}_2$  system catalysed by Ru nanoparticles supported on multiwalled carbon nanotubes", *Journal of Alloys and Compounds* 509, 5012 (2011). (IF: 2.289)
66. J. F. Mao, Z. P. Guo, X. B. Yu, M. Ismail and H. K. Liu, "Enhanced storage performance of  $\text{LiAlH}_4$ - $\text{MgH}_2$ - $\text{TiF}_3$  composite", *International Journal of Hydrogen Energy* 36, 5369 (2011). (IF: 4.054)
67. J. F. Mao, Z. P. Guo, X. Yu, and H. K. Liu, "Improved reversible dehydrogenation of  $2\text{LiBH}_4$ + $\text{MgH}_2$  system by introducing Ni nanoparticles", *Journal of Materials Research* 26, 1143 (2011). (IF: 1.434)
68. J. F. Mao, Z. P. Guo, and H. K. Liu, "Improved hydrogen sorption performance of  $\text{NbF}_5$ -catalysed  $\text{NaAlH}_4$ ", *International Journal of Hydrogen Energy* 36, 14503 (2011). (IF: 4.054)
69. J. F. Mao, Z. P. Guo, X. B. Yu and H. K. Liu, "Improved hydrogen storage properties of  $\text{NaBH}_4$  destabilized by  $\text{CaH}_2$  and  $\text{Ca}(\text{BH}_4)_2$ ", *Journal of Physical Chemistry C* 115, 9283 (2011). (IF: 4.805)
70. A. S. Mahmoud, J. Horvat, and S. X. Dou, "Flux dynamics in  $(\text{Y,Nd})\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$  superconductors", *European Physical Journal - Applied Physics* 53, 10801 (2011). (IF: 0.771)
71. M. Maeda, J. H. Kim, H. Kumakura, Y. U. Heo, Y. Zhao, Y. Nakayama, M. Rindfleisch, and S. X. Dou, "Influence of hydrogen-containing argon gas on the structural parameters and superconducting properties of malic acid-doped  $\text{MgB}_2$  wires", *Scripta Materialia* 64, 1059 (2011). (IF: 2.699)
72. M. Maeda, J. H. Kim, Y. Zhao, Y. U. Heo, K. Takase, Y. Kubota, C. Moriyoshi, F. Yoshida, Y. Kuroiwa, and S. X. Dou, "In-field  $J_c$  improvement by oxygen-free pyrene gas diffusion into highly dense  $\text{MgB}_2$  superconductor", *Journal of Applied Physics* 109, 023904 (2011). (IF: 2.168)
73. I. P. Nevirkovets, O. Chernyashvskyy, J. B. Ketterson, and A. V. Pan, "Multi-terminal superconducting nonequilibrium device with a ferromagnetic screen", *IEEE Transactions on Applied Superconductivity* 21, 721 (2011). (IF: 1.041)
74. I. P. Nevirkovets and M. A. Belogolovkii, "Hybrid superconductor-ferromagnet transistor-like devices", *Superconductor Science & Technology* 24, 024009 (2011). (IF: 2.662)
75. R. Nigam, A. V. Pan, and S. X. Dou, "Magnetic phase diagrams based on static and dynamic magnetic behaviour in Ru-based superconducting ferromagnets", *Journal of Physics-Condensed Matter* 23, 435702 (2011). (IF: 2.546)
76. S. V. Pysarenko, A. V. Pan, and S. X. Dou, "Origin of surface morphology variation during pulsed laser deposition of  $\text{YBa}_2\text{Cu}_3\text{O}_7$  superconducting films", *IEEE Transactions on Applied Superconductivity* 21, 3179 (2011). (IF: 1.041)
77. A. Ranjbar, S. Aminorroaya, Z. P. Guo, Y. Cho, H. K. Liu, and A. Dahle, "Comparison of hydrogen storage properties of Mg-Ni from different preparation methods", *Materials Chemistry and Physics* 127, 405 (2011). (IF: 2.234)
78. K. Radhanpura, S. Hargreaves, and R. A. Lewis, "Bulk and surface field-induced optical rectification from (11N) zincblende crystals in a quasireflection geometry", *Physical Review B* 83, 125322 (2011). (IF: 3.691)
79. M. M. Rahman, J. Z. Wang, M. F. Hassan, D. Wexler, and H. K. Liu, "Amorphous carbon coated high grain boundary density dual phase  $\text{Li}_4\text{Ti}_5\text{O}_{12}$ - $\text{TiO}_2$ : A nanocomposite anode material for Li-ion batteries", *Advanced Energy Materials* 1, 212 (2011). (IF: 1.738)
80. M. M. Rahman, J. Z. Wang, M. F. Hassan, S. L. Chou, Z. X. Chen, and H. K. Liu, "Nanocrystalline porous alpha- $\text{LiFeO}_2$ -C composite-an environmentally friendly cathode for the lithium-ion battery", *Energy and Environmental Science* 4, 952 (2011). (IF: 9.61)
81. M. M. Rahman, J. Z. Wang, M. F. Hassan, Z. X. Chen, and H. K. Liu, "Synthesis of carbon coated nanocrystalline porous alpha- $\text{LiFeO}_2$  composite and its application as anode for the lithium ion battery", *Journal of Alloys and Compounds* 509, 5408 (2011). (IF: 2.289)
82. M. Rezaee, S. M. M. Khoie, D. H. Fatmehsari, and H. K. Liu, "Application of statistical methodology for the evaluation of mechanically activated phase transformation in nanocrystalline  $\text{TiO}_2$ ", *Journal of Alloys and Compounds* 509, 8912 (2011). (IF: 2.289)
83. M. Salari, K. Konstantinov, and H. K. Liu, "Enhancement of the capacitance in  $\text{TiO}_2$  nanotubes through controlled introduction of oxygen vacancies", *Journal of Materials Chemistry* 21, 5128 (2011). (IF: 5.968)
84. M. Salari, S. H. Aboutalebi, K. Konstantinov, and H. K. Liu, "A highly ordered titania nanotube array as a supercapacitor electrode", *Physical Chemistry Chemical Physics* 13, 5038 (2011). (IF: 3.573)
85. N. Sharma, G. D. Du, A. J. Studer, Z. P. Guo, and V. K. Peterson, "In-situ neutron diffraction study of the  $\text{MoS}_2$  anode using a custom-built Li-ion battery", *Solid State Ionics* 199, 37 (2011). (IF: 2.646)
86. N. Sharma, M. V. Reddy, G. D. Du, S. Adams, B. V. R. Chowdari, Z. P. Guo, and V. K. Peterson, "Time-dependent in-situ neutron diffraction investigation of a  $\text{LiCo}_{0.16}\text{Mn}_{1.84}\text{O}_4$  cathode", *Journal of Physical Chemistry C* 115, 21473 (2011). (IF: 4.805)

87. O. V. Shcherbakova, S. K. H. Lam, A. V. Pan, S. V. Fedoseev, S. X. Dou, J. Du, and C. P. Foley, "Step-Edge Josephson junctions on multilayered high temperature superconducting thin film", *IEEE Transactions on Applied Superconductivity* 21, 156 (2011). (IF: 1.041)
88. D. Q. Shi, Q. Li, L. Wang, X. B. Zhu, J. G. Kim, T. Yamashita, and S. Cooper, "Surface decoration combined with second phase of BaTiO<sub>3</sub> for YBCO film by chemical solution deposition", *IEEE Transactions on Applied Superconductivity* 21, 2900 (2011). (IF: 1.041)
89. J. D. Sun, H. Qin, R. A. Lewis, Y. F. Sun, X. Y. Zhang, Y. Cai, D. M. Wu, and B. S. Zhang, "Probing and modelling the localized self-mixing in GaN/AlGaN field-effect terahertz detector", *Applied Physics Letters* 100, 173513 (2011). (IF: 3.844)
90. Z. Q. Sun, J. H. Kim, Y. Zhao, F. Bijarbooneh, V. Malgras, Y. Lee, Y. M. Kang, and S. X. Dou, "Rational design of 3D dendritic TiO<sub>2</sub> nanostructures with favorable architectures", *Journal of the American Chemical Society* 133, 19314 (2011). (IF: 9.907)
91. K. H. Seng, J. Liu, Z. P. Guo, Z. X. Chen, D. Z. Jia, and H. K. Liu, "Free-standing V<sub>2</sub>O<sub>5</sub> electrode for flexible lithium ion batteries", *Electrochemistry Communications* 13, 383 (2011). (IF: 4.859)
92. K. H. Seng, Z. P. Guo, Z. X. Chen, and H. K. Liu, "SnSb/graphene composite as anode materials for lithium ion batteries", *Advanced Science Letters* 4, 18 (2011). (IF: N/A)
93. K. W. See, C. D. Cook, and S. X. Dou, "Innovative calorimetric AC loss measurement of HTSC for power applications", *IEEE Transactions on Applied Superconductivity* 21, 3261 (2011). (IF: 1.041)
94. K. W. See, X. Xu, J. Horvat, C. D. Cook, and S. X. Dou, "Transport critical current of MgB<sub>2</sub> wires: pulsed current of varying rate compared to direct current method", *Superconductor Science & Technology* 24, 105009 (2011). (IF: 2.662)
95. W. W. Sun, Q. F. Gu, Y. H. Guo, Z. P. Guo, H. K. Liu, and X. B. Yu, "Hydrazine bisborane as a promising material for chemical hydrogen storage", *International Journal of Hydrogen Energy* 36, 13640 (2011). (IF: 4.054)
96. W. W. Sun, S. F. Li, J. F. Mao, Z. P. Guo, H. K. Liu, S. X. Dou, and X. B. Yu, "Nanoconfinement of lithium borohydride in Cu-MOFs towards low temperature dehydrogenation", *Dalton Transactions* 40, 5673 (2011). (IF: 3.838)
97. Y. Shenouda, E. M. El Sayed and H. K. Liu, "Preparation, characterization and electrochemical performance of LiNi<sub>x</sub>Co<sub>y</sub>Cu<sub>z</sub>Mn<sub>2-x-y-z</sub>O<sub>4</sub> as positive electrodes in lithium rechargeable batteries", *Journal of New Materials for Electrochemical Systems* 14, 19 (2011). (IF: 0.533)
98. R. J. Smith, P. J. King, M. Lotya, C. Wirtz, U. Khan, S. De, A. O'Neill, G. S. Duesberg, J. C. Grunlan, G. Moriarty, J. Chen, J. Z. Wang, A. L. Minett, V. Nicolosi, and J. N. Coleman, "Large-scale exfoliation of inorganic layered compounds in aqueous surfactant solutions", *Advanced Materials* 23, 3944 (2011). (IF: 13.877)
99. T. Tao, A. M. Glushenkov, C. F. Zhang, H. Z. Zhang, D. Zhou, Z. P. Guo, H. K. Liu, Q. Y. Chen, H. P. Hu, and Y. Chen, "MoO<sub>3</sub> nanoparticles dispersed uniformly in carbon matrix: a high capacity composite anode for Li-ion batteries", *Journal of Materials Chemistry* 21, 9350 (2011). (IF: 5.968)
100. L. Truffault, Q. W. Yao, D. Wexler, I. P. Nevirkovets, K. Konstantinov, T. Devers, and S. Nightingale, "Synthesis and characterization of Fe doped CeO<sub>2</sub> nanoparticles for pigmented ultraviolet filter applications", *Journal of Nanoscience and Nanotechnology* 11, 4019 (2011). (IF: 1.563)
101. L. Truffault, B. Choquenot, K. Konstantinov, T. Devers, C. Couteau, and L. J. M. Coiffard, "Synthesis of nanohematite for possible use in sunscreens", *Journal of Nanoscience and Nanotechnology* 11, 2413 (2011). (IF: 1.563)
102. A. Tuniz, B. Pope, A. Wang, M. C. Large, S. Atakaramians, S. Min, E. M. Pogson, R. A. Lewis, A. Bendavid, A. Argyros, S. C. Fleming, and B. T. Kuhlmeier, "Spatial dispersion in three-dimensional drawn magnetic metamaterials", *Optics Express* 20, 11924 (2011). (IF: 3.587)
103. Y. H. Wang, H. Liu, D. Zhu, Z. P. Guo, H. K. Liu, and S. X. Dou "Preparation and electrochemical performance of hollow-spherical polypyrrole/V<sub>2</sub>O<sub>5</sub> composite", *Transactions of Nonferrous Metals Society of China* 21, 1303 (2011). (IF: 0.751)
104. J. L. Wang, S. J. Campbell, J. M. Cadogan, A. J. Studer, R. Zeng, and S. X. Dou, "Magnetocaloric effect in layered NdMn<sub>2</sub>Ge<sub>0.4</sub>Si<sub>1.6</sub>", *Applied Physics Letters* 98, 232509 (2011). (IF: 3.844)
105. J. L. Wang, S. J. Campbell, S. J. Kennedy, R. Zeng, S. X. Dou, and G. H. Wu, "Critical magnetic transition in TbNi<sub>2</sub>Mn-magnetization and Mossbauer spectroscopy", *Journal of Physics-Condensed Matter* 23, 216002 (2011). (IF: 2.546)
106. J. Q. Wang, B. Niu, G. D. Du, R. Zeng, Z. X. Chen, Z. P. Guo, and S. X. Dou, "Microwave homogeneous synthesis of porous nanowire Co<sub>3</sub>O<sub>4</sub> arrays with capacity and rate capability for lithium ion batteries", *Materials Chemistry and Physics* 126, 747 (2011). (IF: 2.234)
107. B. Wang, Z. S. Ma, and C. Zhang, "Nonlinear transverse current response in zigzag graphene nanoribbons", *Journal of Applied Physics* 110, 073713 (2011). (IF: 2.168)

108. J. Z. Wang, C. Zhong, D. Wexler, N. H. Idris, Z. X. Wang, L. Q. Chen, and H. K. Liu, "Graphene-encapsulated  $\text{Fe}_3\text{O}_4$  nanoparticles with 3D laminated structure as superior anode in lithium ion batteries", *Chemistry-A European Journal* 17, 661 (2011). (IF: 5.925)
109. J. Z. Wang, L. Lu, M. Choucair, J. A. Stride, X. Xu, and H. K. Liu, "Sulfur-graphene composite for rechargeable lithium batteries", *Journal of Power Sources* 196, 7030 (2011). (IF: 4.951)
110. L. Wang, D. Q. Shi, Q. Li, and X. B. Zhu, "Solution derived  $\text{Sm}_2\text{O}_3$  films on biaxially textured Ni-W substrates", *IEEE Transactions on Applied Superconductivity* 21, 2981 (2011). (IF: 1.041)
111. S. L. Wang, Y. Xiao, D. Q. Shi, H. K. Liu, and S. X. Dou, "Fast response detection of  $\text{H}_2\text{S}$  by CuO-doped  $\text{SnO}_2$  films prepared by electrodeposition and oxidization at low temperature", *Materials Chemistry and Physics* 130, 1325 (2011). (IF: 2.234)
112. S. Q. Wang, X. Y. Jiang, G. D. Du, Z. P. Guo, J. Jang, and S. J. Kim, "Solvochemical synthesis of  $\text{Mn}_2\text{P}_2\text{O}_7$  and its application in lithium-ion battery", *Materials Letters* 65, 3265 (2011). (IF: 2.307)
113. H. M. Wu, D. Wexler, and H. K. Liu, "Effect of different reductants for palladium loading on hydrogen storage capacity of double-walled carbon nanotubes", *International Journal of Hydrogen Energy* 36, 9032 (2011). (IF: 4.054)
114. B. R. Winton, M. Ionescu, C. Lukey, M. R. Wilson, I. P. Nevirkovets, and S. X. Dou, "Micro-patterned surface modification of poly(dimethylsiloxane) (PDMS) substrates for tissue engineering", *Advanced Science Letters* 4, 431 (2011). (IF: N/A)
115. H. M. Wu, D. Wexler, and H. K. Liu, "Durability investigation of graphene-supported Pt nanocatalysts for PEM fuel cells", *Journal of Solid State Electrochemistry* 15, 1057 (2011). (IF: 2.131)
116. H. M. Wu, D. Wexler, G. X. Wang, and H. K. Liu, "Acid treatment of carbon supports for proton exchange membrane fuel cell electrocatalyst", *Advanced Science Letters* 4, 492 (2011). (IF: N/A)
117. H. M. Wu, D. Wexler, G. X. Wang, and H. K. Liu, "Pt/C catalysts using different carbon supports for the cathode of PEM fuel cells", *Advanced Science Letters* 4, 115 (2011). (IF: N/A)
118. X. G. Xu, C. Zhang, G. J. Xu, and J. C. Cao, "Electron tunneling in single layer graphene with an energy gap", *Chinese Physics B* 20, 027201 (2011). (IF: 1.376)
119. X. B. Xu, H. Fangohr, Z. H. Wang, M. Gu, S. L. Liu, D. Q. Shi, and S. X. Dou, "Vortex dynamics for low-kappa type-II superconductors", *Physical Review B – Condensed Matter and Materials Physics* 84, 014515 (2011). (IF: 3.691)
120. Y. L. Xu, L. L. Tao, G. D. Du, Z. P. Guo, Y. G. Xu, and S. C. Zhang, "Submicron sized clusters of  $\text{LiFePO}_4$  nanoparticles for lithium ion battery cathodes", *Advanced Science Letters* 4, 3523 (2011). (IF: N/A)
121. J. Yang, H. Zhang, S. M. Wang, C. G. Lin, D. Q. Shi, and S. X. Dou, "Reel-to-reel fabrication of meter-long YBCO coated conductor", *Physica C-Superconductivity and Its Applications* 471, 233 (2011). (IF: 1.014)
122. Z. X. Yang, G. D. Du, Q. Meng, Z. P. Guo, X. B. Yu, Z. X. Chen, T. L. Guo, and R. Zeng, "Dispersion of  $\text{SnO}_2$  nanocrystals on  $\text{TiO}_2(\text{B})$  nanowires as anode material for lithium ion battery applications", *RSC Advances* 1, 1834 (2011). (IF: N/A)
123. Z. X. Yang, G. D. Du, Z. P. Guo, X. B. Yu, Z. X. Chen, T. L. Guo, and H. K. Liu, " $\text{TiO}_2(\text{B})$ @carbon composite nanowires as anode for lithium ion batteries with enhanced reversible capacity and cyclic performance", *Journal of Materials Chemistry* 21, 8591 (2011). (IF: 5.968)
124. Z. X. Yang, G. D. Du, Z. P. Guo, X. B. Yu, Z. X. Chen, T. L. Guo, and R. Zeng, "Encapsulation of  $\text{TiO}_2(\text{B})$  nanowire cores into  $\text{SnO}_2$ /carbon nanoparticle shells and their high performance in lithium storage", *Nanoscale* 3, 4440 (2011). (IF: 5.914)
125. Z. X. Yang, G. D. Du, Z. P. Guo, X. B. Yu, Z. X. Chen, T. L. Guo, N. Sharma, and H. K. Liu, " $\text{TiO}_2(\text{B})$ @anatase hybrid nanowires with highly reversible electrochemical performance", *Electrochemistry Communications* 13, 46 (2011). (IF: 4.859)
126. W. K. Yeoh, B. Gault, X. Y. Cui, C. Zhu, M. P. Moody, L. Li, R. K. Zheng, W. X. Li, X. L. Wang, S. X. Dou, G. L. Sun, C. T. Lin, and S. P. Ringer, "Direct observation of local potassium variation and its correlation to electronic inhomogeneity in  $(\text{Ba}_{1-x}\text{K}_x)\text{Fe}_2\text{As}_2$  pnictide", *Physical Review Letters* 106, 247002 (2011). (IF: 7.370)
127. W. K. Yeoh, R. K. Zheng, S. P. Ringer, W. X. Li, X. Xu, S. X. Dou, S. K. Chen, and J. L. MacManus-Driscoll, "Evaluation of carbon incorporation and strain of doped  $\text{MgB}_2$  superconductor by Raman spectroscopy", *Scripta Materialia* 64, 323 (2011). (IF: 2.699)
128. R. Zeng, S. X. Dou, J. L. Wang and S. J. Campbell, "Large effect in re-entrant ferromagnet  $\text{PrMn}_{1.4}\text{Fe}_{0.6}\text{Ge}_2$ ", *Journal of Alloys and Compounds* 509, L119 (2011). (IF: 2.699)

129. C. F. Zhang, M. Quince, Z. X. Chen, Z. P. Guo, and H. K. Liu, "Three-dimensional nanocarbon and the electrochemistry of nanocarbon/tin oxide for lithium ion batteries", Journal of Solid State Electrochemistry 15, 2645 (2011). (IF: 2.131)
130. Y. Zhang and S. X. Dou, "Influence of antimony trioxide nanoparticle doping on superconductivity in MgB<sub>2</sub> bulk", Journal of Materials Research 26, 2701 (2011). (IF: 1.434)
131. P. Zhang, Z. P. Guo, Y. D. Huang, D. Z. Jia, and H. K. Liu, "Synthesis of Co<sub>3</sub>O<sub>4</sub>/Carbon composite nanowires and their electrochemical properties", Journal of Power Sources 196, 6987 (2011). (IF: 4.951)
132. H. Zhao, H. Kimura, Z. X. Cheng, X. L. Wang, Q. W. Yao, M. Osada, B. W. Li, and T. Nishida, "A new multiferroic heterostructure of YMnO<sub>3</sub>/SnTiO<sub>3+x</sub>", Scripta Materialia 65, 618 (2011). (IF: 2.699)
133. C. Zhong, J. Z. Wang, Z. X. Chen, and H. K. Liu, "SnO<sub>2</sub>-graphene composite synthesized via an ultrafast and environmentally friendly microwave autoclave method and its use as a superior anode for lithium-ion batteries", Journal of Physical Chemistry C 115, 25115 (2011). (IF: 4.805)
134. X. B. Zhu, X. W. Tang, D. Q. Shi, H. B. Jian, H. C. Lei, W. K. Yeoh, B. C. Zhao, J. Yang, Q. Li, R. K. Zheng, S. X. Dou, and Y. P. Sun, "Synthesis and characterization of self-assembled c-axis oriented Bi<sub>2</sub>Sr<sub>3</sub>Co<sub>2</sub>O<sub>y</sub> thin films by the sol-gel method", Dalton Transactions 40, 9544 (2011). (IF: 3.838)

Tuesday, 21 June 2011

HOUSE OF REPRESENTATIVES

6774

## SPEECH

Date Tuesday, 21 June 2011  
Page 6774  
Questioner  
Speaker Ms BIRD

Source House  
Proof No  
Responder  
Question No.

(Cunningham) (NaN.NaN pm)

Ms BIRD (Cunningham) (16:28): I visited the Australian Institute for Innovative Materials facility on 9 June with Parliamentary Secretary Justine Elliot and member for Throsby Stephen Jones. The University of Wollongong, which is the facility that runs AIIM, is a recognised world leader in multifunctional materials research, and I had the opportunity to find out more about the groundbreaking research being led by Professor Gordon Wallace and Professor Dou. The research groups housed at the AIIM—the ARC Centre for Excellence for Electromaterials Science and the Institute for Superconducting and Electronic Materials—together have more than 200 researchers and postgraduate students working to tackle some of the biggest global challenges. This includes energy technology that is developing new methods of energy generation, transportation and storage, including battery technologies that will be of considerable importance to the future of electric vehicles, and building on the breakthrough research they have done. Secondly, there is health and medical bionics to advance muscle and nerve regeneration and cochlear implants and to develop wearable bionics to assist with injury prevention and rehabilitation, as well as advances in medical devices such as improved MRI systems. Thirdly, there are innovative materials and manufacturing. There is some amazing 3-D printing technology and rapid prototyping systems and there is the development of materials to help lower costs and prove the efficiency of mechanical and electrical equipment. This facility continues to grow with the support from the Gillard government. We have invested \$43 million in the future of the facility to create the first materials research facility to bridge the gap between lab based research and commercial applications. The expanded facility will now be able to undertake groundbreaking research and help turn those research breakthroughs into reality. It is a state-of-the-art facility, housing internationally recognised researchers who, from their Wollongong base, have established strong collaborative research and industry partnerships that give them a global reach. It is once again an example of the Wollongong area leading the nation and the world in important research and in new technology development for the future of the nation.

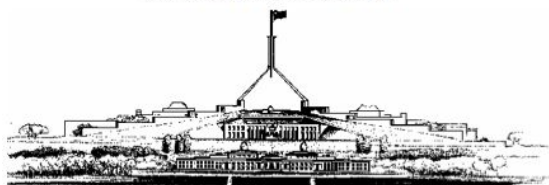
The DEPUTY SPEAKER ( Ms AE Burke ): Order! In accordance with standing order 193 the time for constituency statements has concluded.

(Chisholm) (NaN.NaN pm)



COMMONWEALTH OF AUSTRALIA

PARLIAMENTARY DEBATES



HOUSE OF REPRESENTATIVES

CONSTITUENCY STATEMENTS

Australian Institute for Innovative Materials

SPEECH

Tuesday, 21 June 2011

BY AUTHORITY OF THE HOUSE OF REPRESENTATIVES

CHAMBER

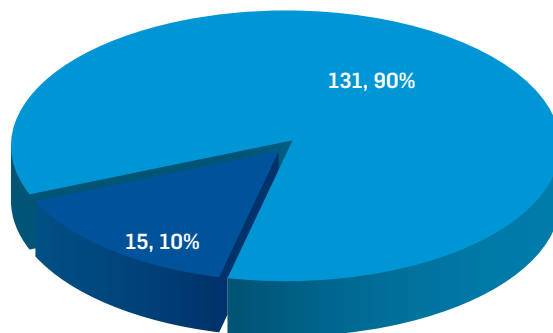
*Impressed by her visit, Federal Member for Cunningham, Sharon Bird MP, praised the work of ISEM in the Australian Parliament.*

## REFEREED CONFERENCE ARTICLES

135. L. Cameron and R. A. Lewis, "Optical rectification for terahertz generation", *Physica Status Solidi C* 8, (2011). (IF: 2.218)
136. J. C. Debnath, R. Zeng, J. H. Kim, and S. X. Dou, "Multifunctionality from the coexistence of large magnetoresistance and magnetocaloric effect in  $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ ", *International Conference on Magnetic Materials* (ICMM-2010) AIP Conf. Proc. 1347, 278 (2011). (IF: N/A)
137. Y. Du, Z. X. Cheng, H. Y. Zhao, H. Kimura, P. Zhang, Z. P. Guo, and X. L. Wang, "Multiferroic double-perovskite  $\text{Bi}_2\text{FeMnO}_6$  hollow particles", *Current Applied Physics* 11, S236 (2011). (IF: 1.900)
138. Y. Du, Z. X. Cheng, S. X. Dou, and X. L. Wang, "Tunable morphology and magnetic properties of  $\text{Bi}_2\text{Fe}_4\text{O}_9$  nanocrystal synthesized by hydrothermal method", *Journal of Nanoscience and Nanotechnology* 11, 2691 (2011). (IF: 1.563)
139. Y. Du, Z. X. Cheng, X. L. Wang, P. Liu, and S. X. Dou, "Magnetic and ferroelectric properties of multiferroic  $\text{Bi}_2\text{NiMnO}_6$  nanoparticles", *Journal of Applied Physics* 109, 07B507 (2011). (IF: 2.168)
140. Z. W. Lin, J. Li, J. G. Zhu, X. L. Wang, S. X. Dou, Y. G. Guo, G. Lei, Y. Wang, M. Philips, M. Cortie, Y. C. Li, K. Y. Choi, and X. Shi, "Visualization of vortex motion in FeAs-based  $\text{BaFe}_{1.9}\text{Ni}_{0.1}\text{As}_2$  single crystal by means of magneto-optical imaging", *Journal of Applied Physics* 109, 07E142 (2011). (IF: 2.168)
141. W. X. Li, R. Zeng, L. Lu, and S. X. Dou, "Effect of thermal strain on  $J_c$  and T-c in high density nano-SiC doped  $\text{MgB}_2$ ", *Journal of Applied Physics* 109, 07E108 (2011). (IF: 2.168)
142. P. Liu, Z. X. Cheng, Y. Du, and X. L. Wang, "Effects of Cu and Fe doping on Raman spectra and on the structural and magnetic properties of  $\text{ErMnO}_3$ ", *Journal of Applied Physics* 109, 07D710 (2011). (IF: 2.168)
143. M. Shahbazi, X. L. Wang, C. Shekhar, O. N. Srivastava, Z. W. Lin, J. G. Zhu, and S. X. Dou, "Upper critical field and thermally activated flux flow in  $\text{LaFeAsO}_{1-x}\text{F}_x$ ", *Journal of Applied Physics* 109, 07E162 (2011). (IF: 2.168)
144. M. Shahbazi, X. L. Wang, Z. W. Lin, J. G. Zhu, S. X. Dou, and K. Y. Choi, "Magnetoresistance, critical current density, and magnetic flux pinning mechanism in nickel doped  $\text{BaFe}_2\text{As}_2$  single crystals", *Journal of Applied Physics* 109, 07E151 (2011). (IF: 2.168)
145. P. Shamba, J. C. Debnath, R. Zeng, J. L. Wang, S. J. Campbell, S. J. Kennedy, and S. X. Dou, "Reduction of hysteresis losses in the magnetic refrigerant  $\text{La}_{0.8}\text{Ce}_{0.2}\text{Fe}_{11.4}\text{Si}_{1.6}$  by the addition of boron", *Journal of Applied Physics* 109, 07A940 (2011). (IF: 2.168)
146. J. L. Wang, A. J. Studer, S. J. Campbell, S. J. Kennedy, R. Zeng, S. X. Dou, and G. H. Wu, "Magnetic Structures of  $\text{Pr}_{0.8}\text{Lu}_{0.2}\text{Mn}_2\text{Ge}_2$  and  $\text{Pr}_{0.6}\text{Lu}_{0.4}\text{Mn}_2\text{Ge}_2$ ", *IEEE Transactions on Magnetics* 47, 2893 (2011). (IF: 1.363)
147. J. L. Wang, S. J. Campbell, R. Zeng, S. X. Dou, and S. J. Kennedy, "Magnetic phase transition and Mossbauer spectroscopy of  $\text{ErNi}_2\text{Mn}_x$  compounds", *Journal of Applied Physics* 109, 07E304 (2011). (IF: 2.168)
148. R. Zeng, J. C. Debnath, D. P. Chen, P. Shamba, J. L. Wang, S. J. Kennedy, S. J. Campbell, T. Silver and S. X. Dou, "Magnetic properties in polycrystalline and single crystal Ca-doped  $\text{LaCoO}_3$ ", *Journal of Applied Physics* 109, 07E146 (2011). (IF: 2.168)
149. R. Zeng, J. Q. Wang, Z. X. Chen, W. X. Li, and S. X. Dou, "The effects of size and orientation on magnetic properties and exchange bias in  $\text{Co}_3\text{O}_4$  mesoporous nanowires", *Journal of Applied Physics* 109, 07B520 (2011). (IF: 2.168)

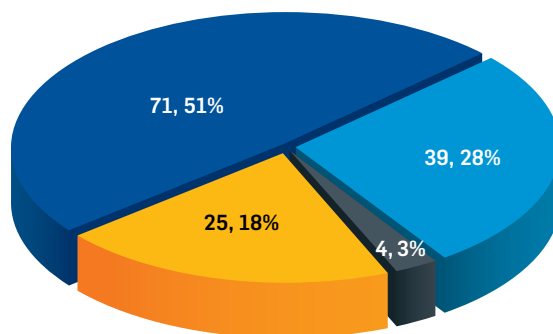
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