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Reinheimer, T.; Mach, T.P.; Häuser, K.; Hoffmann, M.J.; Binder, J.R.; Nanomaterials 2023, 13, 441. <https://doi.org/10.3390/nano13030441>

Cross-scale microstructure design of precursor-derived SiC-AlN nanoceramic composites hybrid with ex-situ ZrB₂

Aidong Xia, Buhao Zhang, Jie Yin, Xiao Chen, Sea-Hoon Lee, Xuejian Liu, Zhengren Huang; Advanced Powder Materials, Volume 2, Issue 1, 2023, 100063, ISSN 2772-834X, <https://doi.org/10.1016/j.apmate.2022.100063>

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Wei Zhang, Dongxiao Zhang, Junliang Zhao; Marine and Petroleum Geology, Volume 143, 2022, 105785, ISSN 0264-8172, doi.org/10.1016/j.marpetgeo.2022.105785

Construction and validation of the upscaling model of organic-rich shale by considering water-sensitivity effects

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Yu L, Liu K, Fan M and Pan Z (2021); Front. Earth Sci.
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Huang, Boyang, et al., Journal of Power Sources 498 (2021): 229908.
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More Uniform Pd Distribution in Free-Air Balls of Pd-Coated Cu Bonding Wire using Movable Flame-off Electrode

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206, <http://www.sciencedirect.com/science/article/pii/S0026271414004466> **Thick Electrodes**

for High Energy Lithium Ion Batteries, Madhav Singh,^{a,z}, Jörg Kaiser,^b and Horst Hahn,^c a Institute of Nanotechnology, Karlsruhe Institute of Technology (KIT), 76344 Eggenstein-Leopoldshafen, Germany, bProject Competence-E, Karlsruhe Institute of Technology (KIT), 76344 Eggenstein-Leopoldshafen, Germany, cHelmholtz Institute Ulm for Electrochemical Energy Storage (HIU), 89081 Ulm, Germany, ECS, Journal of The Electrochemical Society, 162 (7)

A1196-A1201 (2015) <http://jes.ecsdl.org/content/162/7/A1196.short> **Atmospheric Corrosion of Mg Alloy AZ91D Fabricated by a Semi-Solid Casting Technique: The Influence of Microstructure**, M. Esmaily,^{a,*}, N. Mortazavi,^{b,*} J. E. Svensson,^{a,**} , M. Halvarsson,^b, D. B. Blücher,^c, A. E.W. Jarfors,^d, M. Wess'en,^d and L. G. Johansson^a , ^aDepartment of Chemical and Biological Engineering, Chalmers University of Technology, SE-412 96 Göteborg, Sweden, ^bDepartment of Applied Physics, Chalmers University of Technology, SE-412 96 Göteborg, Sweden, ^cSINTEF Materials and Chemistry, N-7465 Trondheim, Norway, ^dDepartment of Materials and Manufacturing - Casting, Jönköping University, SE-551 11 Jönköping, Sweden, ECS, Journal of The Electrochemical Society, 162 (7) C311-C321 (2015),<http://jes.ecsdl.org/content/162/7/C311.short> **Raman, AFM, and TEM profiling of QD multilayer structures**, E Sheremet¹, AMilekhin^{2,3}, RDRodriguez¹, DDmitriev², AToropov², AGutakovskii², DDentel⁴, WGrünwald⁵, MHietschold⁴ and DRT Zahn¹, ¹ Semiconductor Physics, Technische Universität Chemnitz, D-09107 Chemnitz, Germany, ² Institute of Semiconductor Physics, Novosibirsk, Russia, ³ Novosibirsk State University, Pirogov str. 2, 630090, Novosibirsk, Russia, ⁴ Solid Surfaces Analysis, Technische Universität Chemnitz, D-09107 Chemnitz, Germany, ⁵ Leica Mikrosysteme GmbH, 1170 Vienna, Austria, IOP Publishing, Mater. Res. Express 2 (2015) 035003, <http://iopscience.iop.org/2053-1591/2/3/035003> **Primary and Secondary Dealloying of Au(Pt)-Ag: Structural and Compositional Evolutions, and Volume Shrinkage**, Xing-Long Ye, Ning Lu, Xiao-Ju Li, Kui Du, Jun Tan, and Hai-Jun Jinz Shenyang National Laboratory for Materials Science, Institute of Metal Research, Chinese Academy of Sciences, 110016 Shenyang, People's Republic of China; The Electrochemical Society. [DOI: 10.1149/2.0131412jes]; <http://jes.ecsdl.org/content/161/12/C517.short> **Influence of temperature on the atmospheric corrosion of the Mg–Al alloy AM50**, M. Esmaily^{a,*}, M. Shahabi-Navid^a, J.-E. Svensson^a, M. Halvarsson^b, L. Nyborg^c, Y. Cao^c, L.-G. Johansson^a; ^a Department of Chemical and Biological Engineering, Chalmers University of Technology, SE-412 96 Göteborg, Sweden; ^b Department of Applied Physics, Chalmers University of Technology, SE-412 96 Göteborg, Sweden; ^c Department of Materials & Manufacturing Technology, Chalmers University of Technology, 2A, SE-412 96 Göteborg, Sweden; Elsevier Ltd, Corrosion Science 90 (2015) 420–433; <http://www.sciencedirect.com/science/article/pii/S0010938X14004971> **Triple ion beam cutting of diamond/Al composites for interface characterization**, Gang Ji^{a,b}, Zhanqiu Tan^c, Rajashekhara Shabadi^a, Zhiqiang Li^c, Wolfgang Grünwald^d, Ahmed Addad^a, Dominique Schryvers^b, Di Zhang^c, ^a Unité Matériaux et Transformations, UMR CNRS 8207, Bâtiment C6, Université Lille 1, 59655 Villeneuve d'Ascq, France, ^b Electron Microscopy for Materials Science (EMAT), University of Antwerp, Groenenborgerlaan 171, 2020 Antwerp, Belgium, ^c State Key Laboratory of Metal Matrix Composites, Shanghai Jiao Tong University, Shanghai 200240, China, ^d Leica Mikrosysteme GmbH, Physikneubau, Reichenhainer Straße 70, DE-09126 Chemnitz, Germany, Science Direct, Elsevier, Materials Characterization, Volume 89, March 2014, Pages 132-137 <http://www.sciencedirect.com/science/article/pii/S1044580314000217> **Quasi-epitaxial Growth of [Ru(bpy)₃]²⁺ by Confinement in Clay Nanoplatelets Yields Polarized Emission** Daniel A. Kunz¹, Markus J. Leitl², Lukas Schade³, Jasmin Schmid¹, Beate Bojer¹, Ulrich T. Schwarz³, Geoffrey A. Ozin^{4,*}, Hartmut Yersin^{2,*} and Josef Breu¹, ¹Department of Inorganic

Chemistry I, University of Bayreuth, Bayreuth, Germany, ²Department of Physical Chemistry, University of Regensburg, Regensburg, Germany, ³Department of Microsystems Engineering IMTEK, University of Freiburg, Freiburg, Germany, ⁴Materials Chemistry and Nanochemistry Research Group, Center for Inorganic and Polymeric Nanomaterials, Chemistry Department, University of Toronto, Toronto, Ontario, Canada, Wiley, October 2014,
DOI: 10.1002/sml.201400826, <http://onlinelibrary.wiley.com/doi/10.1002/sml.201400826/abstract>



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