

Gengxin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

936
citations

567281

15
h-index

713466

21
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21
all docs

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docs citations

21
times ranked

1216
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Microbe-clay mineral interactions. <i>American Mineralogist</i> , 2009, 94, 1505-1519. | 1.9 | 230 |
| 2 | Characterization of uraninite nanoparticles produced by <i>Shewanella oneidensis</i> MR-1. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 4901-4915. | 3.9 | 122 |
| 3 | Microbial Diversity in Ultra-High-Pressure Rocks and Fluids from the Chinese Continental Scientific Drilling Project in China. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3213-3227. | 3.1 | 77 |
| 4 | Microbial reduction of structural Fe ³⁺ in nontronite by a thermophilic bacterium and its role in promoting the smectite to illite reaction. <i>American Mineralogist</i> , 2007, 92, 1411-1419. | 1.9 | 75 |
| 5 | Microbial effects in promoting the smectite to illite reaction: Role of organic matter intercalated in the interlayer. <i>American Mineralogist</i> , 2007, 92, 1401-1410. | 1.9 | 62 |
| 6 | Metal Reduction at Low pH by a <i>Desulfosporosinus</i> species: Implications for the Biological Treatment of Acidic Mine Drainage. <i>Geomicrobiology Journal</i> , 2009, 26, 71-82. | 2.0 | 60 |
| 7 | Microbial reduction of iron(III)-rich nontronite and uranium(VI). <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3523-3538. | 3.9 | 53 |
| 8 | Microbial reduction of chlorite and uranium followed by air oxidation. <i>Chemical Geology</i> , 2011, 283, 242-250. | 3.3 | 38 |
| 9 | A Device for Testing Thermal Impact Sensitivity of High Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2010, 35, 440-445. | 1.6 | 34 |
| 10 | Biominalization associated with microbial reduction of Fe ³⁺ and oxidation of Fe ²⁺ in solid minerals. <i>American Mineralogist</i> , 2009, 94, 1049-1058. | 1.9 | 30 |
| 11 | Application of dynamic scaling to the surface properties of organic thin films: Energetic materials. <i>Surface Science</i> , 2011, 605, 463-467. | 1.9 | 26 |
| 12 | Unique Microbial Community in Drilling Fluids from Chinese Continental Scientific Drilling. <i>Geomicrobiology Journal</i> , 2006, 23, 499-514. | 2.0 | 24 |
| 13 | Inducing dendrite formation using an Atomic Force Microscope tip. <i>Scanning</i> , 2008, 30, 228-231. | 1.5 | 18 |
| 14 | Engineering the Microstructure of Organic Energetic Materials. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1086-1089. | 8.0 | 18 |
| 15 | Surface morphology of organic thin films at various vapor flux. <i>Applied Surface Science</i> , 2010, 256, 2363-2366. | 6.1 | 16 |
| 16 | Fractal growth in organic thin films: Experiments and modeling. <i>Applied Physics Letters</i> , 2009, 95, . | 3.3 | 15 |
| 17 | Vapor-Liquid Equilibria Data for Methanol + 2-Propanol+ 2-Methyl-2-butanol and Constituent Binary Systems at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 878-883. | 1.9 | 10 |
| 18 | Strontium isotopic and elemental characteristics of calcites in the eolian dust profile of the Chinese Loess Plateau during the past 7 Ma. <i>Geochemical Journal</i> , 2008, 42, 493-506. | 1.0 | 8 |

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|----|---|-----|-----------|
| 19 | Embossing of organic thin films using a surfactant assisted lift-off technique. Journal of Colloid and Interface Science, 2012, 387, 175-179. | 9.4 | 8 |
| 20 | Crystal growth of organic energetic materials: pentaerythritol tetranitrate. Open Engineering, 2012, 2, . | 1.6 | 7 |
| 21 | A simple and flexible thin film evaporating device for energetic materials. Review of Scientific Instruments, 2008, 79, 096102. | 1.3 | 5 |