# Katsuyo Thornton

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 137 papers | 7,652 citations | 70961 41 h-index | 53109 85 g-index |
| 140 all docs | 140 docs citations | 140 times ranked | 9216 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Diffuse-charge dynamics in electrochemical systems. Physical Review E, 2004, 70, 021506. | 0.8 | 822 |
| 2 | Three-dimensional reconstruction of a solid-oxide fuel-cell anode. Nature Materials, 2006, 5, 541-544. | 13.3 | 727 |
| 3 | Dendrites and Pits: Untangling the Complex Behavior of Lithium Metal Anodes through Operando Video Microscopy. ACS Central Science, 2016, 2, 790-801. | 5.3 | 662 |
| 4 | Energy Input and Mass Redistribution by Supernovae in the Interstellar Medium. Astrophysical Journal, 1998, 500, 95-119. | 1.6 | 352 |
| 5 | New frontiers for the materials genome initiative. Npj Computational Materials, 2019, 5, . | 3.5 | 312 |
| 6 | Tracking lithium transport and electrochemical reactions in nanoparticles. Nature Communications, 2012, 3, 1201. | 5.8 | 254 |
| 7 | Single-particle measurements of electrochemical kinetics in NMC and NCA cathodes for Li-ion batteries. Energy and Environmental Science, 2018, 11, 860-871. | 15.6 | 224 |
| 8 | Electrochemical Stability Window of Imidazolium-Based Ionic Liquids as Electrolytes for Lithium Batteries. Journal of Physical Chemistry B, 2016, 120, 5691-5702. | 1.2 | 182 |
| 9 | Efficient fast-charging of lithium-ion batteries enabled by laser-patterned three-dimensional graphite anode architectures. Journal of Power Sources, 2020, 471, 228475. | 4.0 | 168 |
| 10 | Quantitative three-dimensional microstructure of a solid oxide fuel cell cathode. Electrochemistry Communications, 2009, 11, 1052-1056. | 2.3 | 141 |
| 11 | Effect of composition of (La0.8Sr0.2MnO3â€“Y2O3-stabilized ZrO2) cathodes: Correlating three-dimensional microstructure and polarization resistance. Journal of Power Sources, 2010, 195, 1829-1840. | 4.0 | 139 |
| 12 | Three-dimensional mesostructures as high-temperature growth templates, electronic cellular scaffolds, and self-propelled microrobots. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9455-E9464. | 3.3 | 129 |
| 13 | Modelling the evolution of phase boundaries in solids at the meso- and nano-scales. Acta Materialia, 2003, 51, 5675-5710. | 3.8 | 125 |
| 14 | Enabling 6C Fast Charging of Liâ€ion Batteries with Graphite/Hard Carbon Hybrid Anodes. Advanced Energy Materials, 2021, 11, 2003336. | 10.2 | 116 |
| 15 | Simulation of coarsening in three-phase solid oxide fuel cell anodes. Journal of Power Sources, 2011, 196, 1333-1337. | 4.0 | 105 |
| 16 | Designing the next generation high capacity battery electrodes. Energy and Environmental Science, 2014, 7, 1760. | 15.6 | 104 |
| 17 | Vacancy mediated substitutional diffusion in binary crystalline solids. Progress in Materials Science, 2010, 55, 61-105. | 16.0 | 95 |
| 18 | Mapping the Inhomogeneous Electrochemical Reaction Through Porous LiFePO4-Electrodes in a Standard Coin Cell Battery. Chemistry of Materials, 2015, 27, 2374-2386. | 3.2 | 93 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Tortuosity characterization of 3D microstructure at nano-scale for energy storage and conversion materials. Journal of Power Sources, 2014, 249, 349-356. | 4.0 | 91 |
| 20 | Extended smoothed boundary method for solving partial differential equations with general boundary conditions on complex boundaries. Modelling and Simulation in Materials Science and Engineering, 2012, 20, 075008. | 0.8 | 86 |
| 21 | Quantum dot formation on a strain-patterned epitaxial thin film. Applied Physics Letters, 2005, 87, 133102. | 1.5 | 75 |
| 22 | Three-dimensional analysis of particle coarsening in high volume fraction solidâ€“liquid mixtures. Acta Materialia, 2006, 54, 2027-2039. | 3.8 | 74 |
| 23 | X-ray micro-computed tomography and tortuosity calculations of percolating pore networks. Acta Materialia, 2014, 71, 126-135. | 3.8 | 72 |
| 24 | Particle-Level Modeling of the Charge-Discharge Behavior of Nanoparticulate Phase-Separating Li-Ion Battery Electrodes. Journal of the Electrochemical Society, 2014, 161, A535-A546. | 1.3 | 69 |
| 25 | Modeling fluid flow in three-dimensional single crystal dendritic structures. Acta Materialia, 2010, 58, 2864-2875. | 3.8 | 64 |
| 26 | Topological complexity and the dynamics of coarsening. Nature Materials, 2004, 3, 385-388. | 13.3 | 61 |
| 27 | The evolution of interfacial topology during coarsening. Acta Materialia, 2006, 54, 743-750. | 3.8 | 58 |
| 28 | Large-scale simulations of Ostwald ripening in elastically stressed solids: I. Development of microstructure. Acta Materialia, 2004, 52, 1353-1364. | 3.8 | 57 |
| 29 | Effects of Antisite Defects on Li Diffusion in LiFePO<sub>4</sub> Revealed by Li Isotope Exchange. Journal of Physical Chemistry C, 2017, 121, 12025-12036. | 1.5 | 55 |
| 30 | Operando video microscopy of Li plating and re-intercalation on graphite anodes during fast charging. Journal of Materials Chemistry A, 2021, 9, 23522-23536. | 5.2 | 54 |
| 31 | Large-scale simulations of Ostwald ripening in elastically stressed solids. II. Coarsening kinetics and particle size distribution. Acta Materialia, 2004, 52, 1365-1378. | 3.8 | 53 |
| 32 | Computational materials science and engineering education: A survey of trends and needs. Jom, 2009, 61, 12-17. | 0.9 | 51 |
| 33 | Multifunctionality of three-dimensional self-assembled composite structure. Scripta Materialia, 2009, 61, 52-55. | 2.6 | 50 |
| 34 | Localized concentration reversal of lithium during intercalation into nanoparticles. Science Advances, 2018, 4, eaao2608. | 4.7 | 50 |
| 35 | Density-amplitude formulation of the phase-field crystal model for two-phase coexistence in two and three dimensions. Philosophical Magazine, 2010, 90, 237-263. | 0.7 | 49 |
| 36 | Particle-size and morphology dependence of the preferred interface orientation in LiFePO<sub>4</sub> nano-particles. Journal of Materials Chemistry A, 2014, 2, 15437-15447. | 5.2 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Thermodynamic Overpotentials and Nucleation Rates for Electrodeposition on Metal Anodes. ACS Applied Materials & Interfaces, 2019, 11, 7954-7964. | 4.0 | 44 |
| 38 | Quantifying Reaction and Rate Heterogeneity in Battery Electrodes in 3D through Operando X-ray Diffraction Computed Tomography. ACS Applied Materials & Interfaces, 2019, 11, 18386-18394. | 4.0 | 44 |
| 39 | Coarsening of bicontinuous structures via nonconserved and conserved dynamics. Physical Review E, 2007, 75, 021120. | 0.8 | 43 |
| 40 | Architecture Dependence on the Dynamics of Nano-LiFePO4 Electrodes. Electrochimica Acta, 2014, 137, 245-257. | 2.6 | 43 |
| 41 | Phase field modeling of solidification under stress. Physical Review B, 2006, 74, . | 1.1 | 42 |
| 42 | Morphology and topology in coarsening of domains via non-conserved and conserved dynamics. Philosophical Magazine, 2010, 90, 317-335. | 0.7 | 42 |
| 43 | The Kirkendall effect in the phase field crystal model. Philosophical Magazine, 2011, 91, 151-164. | 0.7 | 41 |
| 44 | Highâ€Operatingâ€Temperature Direct Ink Writing of Mesoscale Eutectic Architectures. Advanced Materials, 2017, 29, 1604778. | 11.1 | 41 |
| 45 | Theory of grain boundary diffusion induced by the Kirkendall effect. Applied Physics Letters, 2008, 93, . | 1.5 | 38 |
| 46 | Three-Dimensional Materials Science: An Intersection of Three-Dimensional Reconstructions and Simulations. MRS Bulletin, 2008, 33, 587-595. | 1.7 | 38 |
| 47 | Radiative effects in radiative shocks in shock tubes. High Energy Density Physics, 2011, 7, 130-140. | 0.4 | 38 |
| 48 | Large-Scale Simulations of Microstructural Evolution in Elastically Stressed Solids. Journal of Computational Physics, 2001, 173, 61-86. | 1.9 | 37 |
| 49 | Dynamics of Late-Stage Phase Separation in Crystalline Solids. Physical Review Letters, 2001, 86, 1259-1262. | 2.9 | 37 |
| 50 | Two- and three-dimensional equilibrium morphology of a misfitting particle and the Gibbsâ€“Thomson effect. Acta Materialia, 2004, 52, 5829-5843. | 3.8 | 37 |
| 51 | Coupled composition-deformation phase-field method for multicomponent lipid membranes. Physical Review E, 2007, 76, 011912. | 0.8 | 37 |
| 52 | The topology and morphology of bicontinuous interfaces during coarsening. Europhysics Letters, 2009, 86, 46005. | 0.7 | 37 |
| 53 | Misfit-driven Î²â€²â€² precipitate composition and morphology in Mg-Nd alloys. Acta Materialia, 2017, 136, 378-389. | 3.8 | 36 |
| 54 | The dynamics of interfaces during coarsening in solidâ€“liquid systems. Acta Materialia, 2014, 70, 66-78. | 3.8 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | PRISMS-PF: A general framework for phase-field modeling with a matrix-free finite element method. Npj Computational Materials, 2020, 6, . | 3.5 | 33 |
| 56 | Rate Limitations in Composite Solid-State Battery Electrodes: Revealing Heterogeneity with Operando Microscopy. ACS Energy Letters, 2021, 6, 2993-3003. | 8.8 | 33 |
| 57 | Numerical Modeling of Localized Corrosion Using Phase-Field and Smoothed Boundary Methods. Journal of the Electrochemical Society, 2018, 165, C633-C646. | 1.3 | 32 |
| 58 | Domain Growth in Ternary Fluids: A Level Set Approach. Physical Review Letters, 2000, 84, 91-94. | 2.9 | 30 |
| 59 | Fluid Flow and Defect Formation in the Three-Dimensional Dendritic Structure of Nickel-Based Single Crystals. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 369-380. | 1.1 | 30 |
| 60 | Calculations of isothermal elastic constants in the phase-field crystal model. Physical Review B, 2013, 87, . | 1.1 | 30 |
| 61 | General method for incorporating CALPHAD free energies of mixing into phase field models: Application to the Î±-zirconium/Î´-hydride system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2015, 51, 334-343. | 0.7 | 30 |
| 62 | PRISMS: An Integrated, Open-Source Framework for Accelerating Predictive Structural Materials Science. Jom, 2018, 70, 2298-2314. | 0.9 | 30 |
| 63 | Substitutional diffusion and Kirkendall effect in binary crystalline solids containing discrete vacancy sources and sinks. Acta Materialia, 2007, 55, 6690-6704. | 3.8 | 29 |
| 64 | Effect of a Size-Dependent Equilibrium Potential on Nano-LiFePO<sub>4</sub>Particle Interactions. Journal of the Electrochemical Society, 2015, 162, A1718-A1724. | 1.3 | 29 |
| 65 | The thermodynamic stability of intermediate solid solutions in LiFePO<sub>4</sub> nanoparticles. Journal of Materials Chemistry A, 2016, 4, 5436-5447. | 5.2 | 29 |
| 66 | Templateâ€Directed Directionally Solidified 3D Mesostructured AgClâ€“KCl Eutectic Photonic Crystals. Advanced Materials, 2015, 27, 4551-4559. | 11.1 | 28 |
| 67 | Kinetics of Nanoparticle Interactions in Battery Electrodes. Journal of the Electrochemical Society, 2015, 162, A965-A973. | 1.3 | 28 |
| 68 | A nucleation algorithm for the coupled conservedâ€“nonconserved phase field model. Computational Materials Science, 2016, 112, 128-138. | 1.4 | 26 |
| 69 | Deformation and stresses in solid-state composite battery cathodes. Journal of Power Sources, 2019, 440, 227116. | 4.0 | 26 |
| 70 | Computational Model of Magnesium Deposition and Dissolution for Property Determination via Cyclic Voltammetry. Journal of the Electrochemical Society, 2016, 163, A1813-A1821. | 1.3 | 21 |
| 71 | Archimedean lattices emerge in template-directed eutectic solidification. Nature, 2020, 577, 355-358. | 13.7 | 21 |
| 72 | Computational Examination of Orientation-Dependent Morphological Evolution during the Electrodeposition and Electrodissolution of Magnesium. Journal of the Electrochemical Society, 2016, 163, A513-A521. | 1.3 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Application of the level-set method to the analysis of an evolving microstructure. Computational Materials Science, 2014, 85, 46-58. | 1.4 | 19 |
| 74 | Morphological stability during electrodeposition. MRS Communications, 2017, 7, 658-663. | 0.8 | 19 |
| 75 | Templateâ€Directed Solidification of Eutectic Optical Materials. Advanced Optical Materials, 2018, 6, 1800071. | 3.6 | 19 |
| 76 | A thermal-gradient approach to variable-temperature measurements resolved in space. Journal of Applied Crystallography, 2020, 53, 662-670. | 1.9 | 19 |
| 77 | Three Dimensional Reconstruction of Solid Oxide Fuel Cell Electrodes Using Focused Ion Beam - Scanning Electron Microscopy. ECS Transactions, 2007, 7, 1879-1887. | 0.3 | 16 |
| 78 | Modeling SOFC Cathodes Based on 3-D Representations of Electrode Microstructure. ECS Transactions, 2011, 35, 815-822. | 0.3 | 16 |
| 79 | Phase-field crystal model for a diamond-cubic structure. Physical Review E, 2015, 91, 053305. | 0.8 | 16 |
| 80 | Simulations of the Kirkendall-Effect-Induced Deformation of Thermodynamically Ideal Binary Diffusion Couples with General Geometries. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 3481-3500. | 1.1 | 15 |
| 81 | Coarsening of complex microstructures following spinodal decomposition. Acta Materialia, 2017, 132, 13-24. | 3.8 | 15 |
| 82 | Classical density functional theory and the phase-field crystal method using a rational function to describe the two-body direct correlation function. Physical Review E, 2013, 87, 013313. | 0.8 | 14 |
| 83 | Simulating recrystallization in titanium using the phase field method. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012024. | 0.3 | 14 |
| 84 | Phase-field simulations of GaN growth by selective area epitaxy from complex mask geometries. Journal of Applied Physics, 2015, 117, . | 1.1 | 14 |
| 85 | Simulation of the diffusional impedance and application to the characterization of electrodes with complex microstructures. Electrochimica Acta, 2020, 354, 136534. | 2.6 | 14 |
| 86 | Lowering Ternary Oxide Synthesis Temperatures by Solid-State Cometathesis Reactions. Chemistry of Materials, 2021, 33, 3692-3701. | 3.2 | 14 |
| 87 | Linear stability analysis for step meandering instabilities with elastic interactions and Ehrlich-Schwoebel barriers. Physical Review E, 2007, 76, 011601. | 0.8 | 13 |
| 88 | Continuum simulations of the formation of Kirkendall-effect-induced hollow cylinders in a binary substitutional alloy. Acta Materialia, 2009, 57, 5348-5360. | 3.8 | 13 |
| 89 | Evolution of interfacial curvatures of a bicontinuous structure generated via nonconserved dynamics. Acta Materialia, 2015, 90, 182-193. | 3.8 | 13 |
| 90 | Charge attachment induced transport â€“ bulk and grain boundary diffusion of potassium in PrMnO<sub>3</sub>. Physical Chemistry Chemical Physics, 2017, 19, 9762-9769. | 1.3 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Current status and outlook of computational materials science education in the US. Modelling and Simulation in Materials Science and Engineering, 2005, 13, R53-R69. | 0.8 | 12 |
| 92 | The morphology of topologically complex interfaces. Scripta Materialia, 2009, 60, 301-304. | 2.6 | 12 |
| 93 | Dynamics of two-phase lipid vesicles: effects of mechanical properties on morphology evolution. Soft Matter, 2010, 6, 3462. | 1.2 | 12 |
| 94 | Ionic and Electronic Transport in Metal Fluoride Conversion Electrodes. ECS Transactions, 2013, 50, 19-25. | 0.3 | 12 |
| 95 | Simulating complex crystal structures using the phase-field crystal model. Physical Review Materials, 2017, 1, . | 0.9 | 12 |
| 96 | Conditions for overall planarity in membranes: Applications to multicomponent membranes with lamellar morphology. Europhysics Letters, 2008, 82, 38001. | 0.7 | 11 |
| 97 | Effects of interleaflet coupling on the morphologies of multicomponent lipid bilayer membranes. Journal of Chemical Physics, 2013, 138, 024909. | 1.2 | 11 |
| 98 | Model for Anodic Film Growth on Aluminum with Coupled Bulk Transport and Interfacial Reactions. Langmuir, 2014, 30, 5314-5325. | 1.6 | 11 |
| 99 | A Phase-Field Model and Simulation of Kinetically Asymmetric Ternary Conversion-Reconversion Transformation in Battery Electrodes. Journal of Phase Equilibria and Diffusion, 2016, 37, 86-99. | 0.5 | 11 |
| 100 | Dynamics of coarsening in multicomponent lipid vesicles with non-uniform mechanical properties. Journal of Chemical Physics, 2014, 140, 144908. | 1.2 | 10 |
| 101 | Smoothed Boundary Method for simulating bulk and grain boundary transport in complex polycrystalline microstructures. Computational Materials Science, 2016, 121, 14-22. | 1.4 | 10 |
| 102 | Relative Kinetics of Solid-State Reactions: The Role of Architecture in Controlling Reactivity. Journal of the American Chemical Society, 2022, 144, 11975-11979. | 6.6 | 10 |
| 103 | Phase-field simulations of GaN/InGaN quantum dot growth by selective area epitaxy. Journal of Crystal Growth, 2012, 361, 57-65. | 0.7 | 9 |
| 104 | Self-Similarity and the Dynamics of Coarsening in Materials. Scientific Reports, 2018, 8, 17940. | 1.6 | 9 |
| 105 | Computational Materials Science and Engineering Education: An Updated Survey of Trends and Needs. Jom, 2018, 70, 1644-1651. | 0.9 | 9 |
| 106 | Thermodynamic relationships for homogeneous crystalline and liquid phases in the phase-field crystal model. Computational Materials Science, 2017, 135, 205-213. | 1.4 | 8 |
| 107 | Simulation of coarsening in two-phase systems with dissimilar mobilities. Computational Materials Science, 2020, 173, 109418. | 1.4 | 8 |
| 108 | Towards the Validation of a Phase Field Model for Ni Coarsening in Solid Oxide Cells. Acta Materialia, 2021, 212, 116887. | 3.8 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Effect of transport mechanism on the coarsening of bicontinuous structures: A comparison between bulk and surface diffusion. Physical Review Materials, 2020, 4, . | 0.9 | 8 |
| 110 | Origins of ion irradiation-induced Ga nanoparticle motion on GaAs surfaces. Applied Physics Letters, 2013, 103, . | 1.5 | 7 |
| 111 | Origin of broad luminescence from siteâ€controlled InGaN nanodots fabricated by selectiveâ€area epitaxy. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 531-535. | 0.8 | 7 |
| 112 | Simulations of Anodic Nanopore Growth Using the Smoothed Boundary and Level Set Methods. Journal of Physical Chemistry C, 2016, 120, 2419-2431. | 1.5 | 7 |
| 113 | The effect of surface-bulk potential difference on the kinetics of intercalation in core-shell active cathode particles. Journal of Power Sources, 2018, 382, 30-37. | 4.0 | 7 |
| 114 | Phase Field Modeling of Microstructural Evolution. , 2018, , 67-87. | | 7 |
| 115 | Sensitivity analysis of a phase field model for static recrystallization of deformed microstructures. Modelling and Simulation in Materials Science and Engineering, 2020, 28, 065002. | 0.8 | 7 |
| 116 | Grain boundary formation through particle detachment during coarsening of nanoporous metals. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 7 |
| 117 | Three-Dimensional Analysis of Solid Oxide Fuel Cells, Using Focused Ion Beam â€“ Scanning Electron Microscopy. Microscopy and Microanalysis, 2007, 13, . | 0.2 | 6 |
| 118 | Advancing quantitative description of porosity in autogenous laser-welds of 304L stainless steel. Integrating Materials and Manufacturing Innovation, 2014, 3, 141-157. | 1.2 | 6 |
| 119 | Processingâ€Ðependent Microstructure of AgClâ€“CsAgCl<sub>2</sub> Eutectic Photonic Crystals. Advanced Optical Materials, 2018, 6, 1701316. | 3.6 | 6 |
| 120 | Channel size distribution of complex three-dimensional microstructures calculated from the topological characterization of isodistance structures. Acta Materialia, 2012, 60, 2509-2517. | 3.8 | 5 |
| 121 | Performance Variability and Degradation in Porous La<sub>1-x</sub>Sr<sub>x</sub>CoO<sub>3-Î´</sub>Electrodes. Journal of the Electrochemical Society, 2014, 161, F561-F568. | 1.3 | 5 |
| 122 | Simulation of the Electrochemical Impedance in a Three-Dimensional, Complex Microstructure of Solid Oxide Fuel Cell Cathode and Its Application in the Microstructure Characterization. Frontiers in Chemistry, 2021, 9, 627699. | 1.8 | 5 |
| 123 | Stability of strained thin films with interface misfit dislocations: A multiscale computational study. Thin Solid Films, 2010, 519, 809-817. | 0.8 | 4 |
| 124 | Control of lamellar eutectic orientation via template-directed solidification. Acta Materialia, 2019, 166, 715-722. | 3.8 | 3 |
| 125 | In situ temperature profile measurements with high-energy X-rays as a probe of optical floating zone crystal growth environment. Journal of Applied Crystallography, 2020, 53, 982-990. | 1.9 | 3 |
| 126 | Enabling the electrochemical simulation of Li-ion battery electrodes with anisotropic tortuosity in COMSOL Multiphysicsâ‡. MethodsX, 2021, 8, 101425. | 0.7 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Automated extraction of physical parameters from experimentally obtained thermal profiles using a machine learning approach. Computational Materials Science, 2021, 194, 110459. | 1.4 | 3 |
| 128 | Thin-Film Paradigm to Probe Interfacial Diffusion during Solid-State Metathesis Reactions. Chemistry of Materials, 2022, 34, 6279-6287. | 3.2 | 3 |
| 129 | Anomalous strain-energy-driven macroscale translation of grains during nonisothermal annealing. Physical Review Materials, 2021, 5, . | 0.9 | 2 |
| 130 | Anodic Oxide Nanostructures and Their Applications in Energy Generation and Storage. ACS Symposium Series, 2015, , 19-39. | 0.5 | 1 |
| 131 | Sample environment effects on synchrotron-measured temperature profiles in an approximant of optical floating zone crystal growth. Journal of Crystal Growth, 2021, 574, 126331. | 0.7 | 1 |
| 132 | The Mean and Gaussian Curvature of Systems Undergoing Coarsening: Experiment and Theory. Microscopy and Microanalysis, 2004, 10, 74-75. | 0.2 | 0 |
| 133 | Simulations of the Morphological Evolution of Lipid Bilayer Membranes Using a Phase-Field Method. Biophysical Journal, 2009, 96, 354a-355a. | 0.2 | 0 |
| 134 | Applying for computational time on NSFâ€™s TeraGridâ€”the worldâ€™s largest cyberinfrastructure supporting open research. Jom, 2010, 62, 17-18. | 0.9 | 0 |
| 135 | Phase-Field Modeling and Simulations of Lipid Membranes Coupling Composition with Membrane Mechanical Properties. Biophysical Journal, 2010, 98, 281a. | 0.2 | 0 |
| 136 | Photonic Crystals: Template-Directed Directionally Solidified 3D Mesostructured AgCl-KCl Eutectic Photonic Crystals (Adv. Mater. 31/2015). Advanced Materials, 2015, 27, 4550-4550. | 11.1 | 0 |
| 137 | Rate-dependent Reversal of Lithium Concentration During Intercalation into LixFePO4 Nanoparticles. Microscopy and Microanalysis, 2018, 24, 1482-1483. | 0.2 | 0 |