# Ernst Z Kurmaev

List of Publications by Year
in descending order

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|---|---|---|---|
| 441 papers | 8,195 citations | 71102 41 h-index | 106344 65 g-index |
| 444 all docs | 444 docs citations | 444 times ranked | 10188 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Octahydroxytetraazapentacenedione: New organic electrode material for fast and stable potassium batteries. Journal of Power Sources, 2022, 517, 230711. | 7.8 | 5 |
| 2 | High-capacity polymer electrodes for potassium batteries. Journal of Materials Chemistry A, 2022, 10, 3044-3050. | 10.3 | 5 |
| 3 | Nanoscale Visualization of Photodegradation Dynamics of MAPbI<sub>3</sub> Perovskite Films. Journal of Physical Chemistry Letters, 2022, 13, 2744-2749. | 4.6 | 11 |
| 4 | XPS spectra as a tool for studying photochemical and thermal degradation in APbX3 hybrid halide perovskites. Nano Energy, 2021, 79, 105421. | 16.0 | 50 |
| 5 | Spectacular Enhancement of the Thermal and Photochemical Stability of MAPbI3 Perovskite Films Using Functionalized Tetraazaadamantane as a Molecular Modifier. Energies, 2021, 14, 669. | 3.1 | 7 |
| 6 | X-ray Photoelectron Spectra of Ag-Au Colloidal Nanoparticles after Interaction with Linear Carbon Chains. Applied Sciences (Switzerland), 2021, 11, 685. | 2.5 | 3 |
| 7 | Reversible Pb<sup>2+</sup>/Pb<sup>0</sup> and I<sup>â˜'</sup>/I<sub>3</sub><sup>â˜'</sup> Redox Chemistry Drives the Lightâ€induced Phase Segregation in Allâ€inorganic Mixed Halide Perovskites. Advanced Energy Materials, 2021, 11, 2002934. | 19.5 | 56 |
| 8 | Electronic Properties of Carbyne Chains: Experiment and Theory. Journal of Physical Chemistry C, 2021, 125, 8268-8273. | 3.1 | 6 |
| 9 | When iodide meets bromide: Halide mixing facilitates the light-induced decomposition of perovskite absorber films. Nano Energy, 2021, 86, 106082. | 16.0 | 12 |
| 10 | Temperature Dynamics of MAPbI3 and PbI2 Photolysis: Revealing the Interplay between Light and Heat, Two Enemies of Perovskite Photovoltaics. Journal of Physical Chemistry Letters, 2021, 12, 4362-4367. | 4.6 | 10 |
| 11 | Influence of Oxygen Ion Migration from Substrates on Photochemical Degradation of CH3NH3PbI3 Hybrid Perovskite. Energies, 2021, 14, 5062. | 3.1 | 1 |
| 12 | The catalytic role of platinum nanoparticles in laser generated nanocarbons. Applied Surface Science, 2021, 558, 149890. | 6.1 | 9 |
| 13 | Rationalizing the effect of overstoichiometric PbI2 on the stability of perovskite solar cells in the context of precursor solution formulation. Synthetic Metals, 2021, 278, 116823. | 3.9 | 5 |
| 14 | XPS evidence of degradation mechanism in CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> hybrid perovskite. Journal of Physics Condensed Matter, 2020, 32, 095501. | 1.8 | 15 |
| 15 | A nickel coordination polymer derived from 1,2,4,5-tetraaminobenzene for fast and stable potassium battery anodes. Chemical Communications, 2020, 56, 1541-1544. | 4.1 | 20 |
| 16 | Phenyl-C<sub>61</sub>-butyric Acid as an Interface Passivation Layer for Highly Efficient and Stable Perovskite Solar Cells. Journal of Physical Chemistry C, 2020, 124, 1872-1877. | 3.1 | 32 |
| 17 | Light or Heat: What Is Killing Lead Halide Perovskites under Solar Cell Operation Conditions?. Journal of Physical Chemistry Letters, 2020, 11, 333-339. | 4.6 | 85 |
| 18 | Thermal Effects and Halide Mixing of Hybrid Perovskites: MD and XPS Studies. Journal of Physical Chemistry A, 2020, 124, 135-140. | 2.5 | 14 |

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| 19 | Efficient and Stable MAPbI<sub>3</sub>-Based Perovskite Solar Cells Using Polyvinylcarbazole Passivation. Journal of Physical Chemistry Letters, 2020, 11, 6772-6778. | 4.6 | 48 |
| 20 | Origin of magnetic phase transition in RMn2Si2 (RÂ=Ârare-earth ion or Y) intermetallics. Computational Materials Science, 2020, 184, 109901. | 3.0 | 5 |
| 21 | X-ray photoelectron spectra and electronic structure of Mo doped V2O5. Thin Solid Films, 2020, 713, 138360. | 1.8 | 4 |
| 22 | X-ray photoelectron spectroscopy study of Cr/[Pd/Gd/Pd/Fe] multilayered nanostructures. Thin Solid Films, 2020, 709, 138251. | 1.8 | 5 |
| 23 | Film Deposition Techniques Impact the Defect Density and Photostability of MAPbI<sub>3</sub> Perovskite Films. Journal of Physical Chemistry C, 2020, 124, 21378-21385. | 3.1 | 22 |
| 24 | Investigation on electronic structure and magnetic properties of Co and Mn incorporated nanoscale SnO2. Applied Physics A: Materials Science and Processing, 2020, 126, 1. | 2.3 | 6 |
| 25 | Interaction of graphene oxide with barium titanate in composite: XPS and DFT studies. Journal of Alloys and Compounds, 2020, 840, 155747. | 5.5 | 15 |
| 26 | XPS study of interactions between linear carbon chains and colloidal Au nanoparticles. Mendeleev Communications, 2020, 30, 285-287. | 1.6 | 48 |
| 27 | Influence of Ion Migration from ITO and SiO<sub>2</sub> Substrates on Photo and Thermal Stability of CH<sub>3</sub>NH<sub>3</sub>SnI<sub>3</sub> Hybrid Perovskite. Journal of Physical Chemistry C, 2020, 124, 14928-14934. | 3.1 | 18 |
| 28 | Unravelling the Material Composition Effects on the Gamma Ray Stability of Lead Halide Perovskite Solar Cells: MAPbI<sub>3</sub> Breaks the Records. Journal of Physical Chemistry Letters, 2020, 11, 2630-2636. | 4.6 | 35 |
| 29 | XPS characterization of surface layers of stainless steel nitrided in electron beam plasma at low temperature. Surface and Coatings Technology, 2020, 386, 125492. | 4.8 | 10 |
| 30 | Unraveling the Impact of Hole Transport Materials on Photostability of Perovskite Films and pâ€“iâ€“n Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 19161-19173. | 8.0 | 35 |
| 31 | Amine-selective gas sensor based on organic field-effect transistor with the porphyrin monolayer receptor. Synthetic Metals, 2020, 260, 116295. | 3.9 | 8 |
| 32 | Intrinsic thermal decomposition pathways of lead halide perovskites APbX3. Solar Energy Materials and Solar Cells, 2020, 213, 110559. | 6.2 | 45 |
| 33 | Energy band gaps and excited states in Si QD/SiO<sub> x </sub>/R<sub> yâ€Š</sub>O<sub> z </sub> (Râ€‰â€‰=â€‰â€‰Si, Al, Zr) suboxide superlattices. Journal of Physics Condensed Matter, 2019, 31, 415301. | 1.8 | 2 |
| 34 | Impact of charge transport layers on the photochemical stability of MAPbI<sub>3</sub> in thin films and perovskite solar cells. Sustainable Energy and Fuels, 2019, 3, 2705-2716. | 4.9 | 22 |
| 35 | New tetraazapentacene-based redox-active material as a promising high-capacity organic cathode for lithium and potassium batteries. Journal of Power Sources, 2019, 435, 226724. | 7.8 | 35 |
| 36 | Electronic structure and structural defects in 3d-metal doped In2O3. Journal of Materials Science: Materials in Electronics, 2019, 30, 14091-14098. | 2.2 | 1 |

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| 37 | Comparative Intrinsic Thermal and Photochemical Stability of Sn(II) Complex Halides as Next-Generation Materials for Lead-Free Perovskite Solar Cells. Journal of Physical Chemistry C, 2019, 123, 26862-26869. | 3.1 | 36 |
| 38 | High-Energy and High-Power-Density Potassium Ion Batteries Using Dihydrophenazine-Based Polymer as Active Cathode Material. Journal of Physical Chemistry Letters, 2019, 10, 5440-5445. | 4.6 | 68 |
| 39 | Effect of post-annealing in air on optical and XPS spectra of Y2O3 ceramics doped with CeO2. Mendeleev Communications, 2019, 29, 102-104. | 1.6 | 34 |
| 40 | Nickel(II) and Copper(II) Coordination Polymers Derived from 1,2,4,5-Tetraaminobenzene for Lithium-Ion Batteries. Chemistry of Materials, 2019, 31, 5197-5205. | 6.7 | 52 |
| 41 | Effect of doping and annealing on the electronic structure and magnetic properties of nanoscale Co and Zn co-doped SnO2: An experimental study and first-principles modeling. Journal of Alloys and Compounds, 2019, 799, 433-441. | 5.5 | 8 |
| 42 | Fundamental crystal field excitations in magnetic semiconductor SnO<sub>2</sub>: Mn, Fe, Co, Ni. Physical Chemistry Chemical Physics, 2019, 21, 11992-11998. | 2.8 | 5 |
| 43 | Optical Transparency and Local Electronic Structure of Yb-Doped Y2O3 Ceramics with Tetravalent Additives. Symmetry, 2019, 11, 243. | 2.2 | 7 |
| 44 | DC plasma electrolytic oxidation treatment of gum metal for dental implants. Electrochimica Acta, 2019, 302, 10-20. | 5.2 | 24 |
| 45 | Hexaazatriphenylene-based polymer cathode for fast and stable lithium-, sodium- and potassium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 22596-22603. | 10.3 | 80 |
| 46 | Mixed Substitution in Pâ€Doped Anatase TiO<sub>2</sub> Probed by XPS and DFT. Physica Status Solidi (B): Basic Research, 2018, 255, 1700477. | 1.5 | 7 |
| 47 | Electronic structure of alumina doped by light elements. Computational Condensed Matter, 2018, 15, 48-54. | 2.1 | 3 |
| 48 | Magnetic ordering in intermetallicLa1-xTbxMn2Si2compounds. Journal of Magnetism and Magnetic Materials, 2018, 454, 144-149. | 2.3 | 4 |
| 49 | Towards understanding the origin of the hysteresis effects and threshold voltage shift in organic field-effect transistors based on the electrochemically grown AlOx dielectric. Thin Solid Films, 2018, 649, 7-11. | 1.8 | 5 |
| 50 | An insight into the origin of room-temperature ferromagnetism in SnO<sub>2</sub> and Mn-doped SnO<sub>2</sub> quantum dots: an experimental and DFT approach. Physical Chemistry Chemical Physics, 2018, 20, 6500-6514. | 2.8 | 24 |
| 51 | Diamond deposition on Fe-Cr-Al alloy substrates: Effect of native oxidation by XPS and XAS investigation. Journal of Alloys and Compounds, 2018, 740, 887-894. | 5.5 | 12 |
| 52 | Stability of boron-doped graphene/copper interface: DFT, XPS and OSEE studies. Applied Surface Science, 2018, 441, 978-983. | 6.1 | 19 |
| 53 | Electronic structure, charge transfer, and intrinsic luminescence of gadolinium oxide nanoparticles: Experiment and theory. Applied Surface Science, 2018, 436, 697-707. | 6.1 | 63 |
| 54 | Atomic and electronic structures of stable linear carbon chains on Ag-nanoparticles. Carbon, 2018, 128, 296-301. | 10.3 | 32 |

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| 55 | XPS spectra, electronic structure, and magnetic properties of RFe5Al7 intermetallics. Journal of Alloys and Compounds, 2018, 733, 82-90. | 5.5 | 2 |
| 56 | First-Principles Calculations of the Electronic Structure of Imperfect Crystals in the Coherent Potential Approximation. Physics of Metals and Metallography, 2018, 119, 1249-1253. | 1.0 | 1 |
| 57 | Influence of halide mixing on thermal and photochemical stability of hybrid perovskites: XPS studies. Mendeleev Communications, 2018, 28, 381-383. | 1.6 | 10 |
| 58 | Atomic and electronic structure of graphene oxide/Cu interface. Thin Solid Films, 2018, 665, 99-108. | 1.8 | 10 |
| 59 | Interfacial reactions in Al2O3/Cr2O3 layers: Electronic structure calculations and X-ray photoelectron spectra. Thin Solid Films, 2018, 665, 6-8. | 1.8 | 10 |
| 60 | Electronic Structure of Aluminum Oxide with Oxygen Vacancies. Physics of Metals and Metallography, 2018, 119, 707-712. | 1.0 | 8 |
| 61 | Mechanochemical Activation of Cuâ€“CeO2 Mixture as a Promising Technique for the Solid-State Synthesis of Catalysts for the Selective Oxidation of CO in the Presence of H2. Kinetics and Catalysis, 2018, 59, 160-173. | 1.0 | 3 |
| 62 | Evidence of random distribution of carbon impurities in oxygen sites of zinc oxide. Physica B: Condensed Matter, 2018, 545, 172-175. | 2.7 | 0 |
| 63 | XPS-and-DFT analyses of the Pb 4f â€” Zn 3s and Pb 5d â€” O 2s overlapped ambiguity contributions to the final electronic structure of bulk and thin-film Pb-modulated zincite. Applied Surface Science, 2017, 405, 129-136. | 6.1 | 30 |
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| 65 | Influence of process parameters on plasma electrolytic surface treatment of tantalum for biomedical applications. Applied Surface Science, 2017, 407, 52-63. | 6.1 | 41 |
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| 68 | Spectral and magnetic properties of Na<sub>2</sub>RuO<sub>3</sub>. Journal of Physics Condensed Matter, 2017, 29, 405804. | 1.8 | 7 |
| 69 | ITO Modification for Efficient Inverted Organic Solar Cells. Langmuir, 2017, 33, 10118-10124. | 3.5 | 14 |
| 70 | Enhanced clustering tendency of Cu-impurities with a number of oxygen vacancies in heavy carbon-loaded TiO2 - the bulk and surface morphologies. Solid State Sciences, 2017, 71, 130-138. | 3.2 | 5 |
| 71 | Atomic and electronic structure of a copper/graphene interface as prepared and 1.5 years after. Applied Surface Science, 2017, 426, 1167-1172. | 6.1 | 18 |
| 72 | Electronic structure of RMn2Si2 (RÂ=ÂY, La) intermetallics: DFT and XPS studies. Journal of Alloys and Compounds, 2017, 695, 1663-1671. | 5.5 | 9 |

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| 74 | Influence of Alkali Treatment on Anodized Titanium Alloys in Wollastonite Suspension. Metals, 2017, 7, 322. | 2.3 | 12 |
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| 76 | Pleomorphic structural imperfections caused by pulsed Bi-implantation in the bulk and thin-film morphologies of TiO2. Applied Surface Science, 2016, 379, 223-229. | 6.1 | 13 |
| 77 | Local moments and electronic correlations in Fe-based Heusler alloys: KÎ± x-ray emission spectra measurements. Journal of Alloys and Compounds, 2016, 679, 268-276. | 5.5 | 7 |
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| 79 | XPS and DFT study of pulsed Bi-implantation of bulk and thin-films of ZnOâ€"The role of oxygen imperfections. Applied Surface Science, 2016, 387, 1093-1099. | 6.1 | 41 |
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| 81 | Tuning the electronic structure of graphene through nitrogen doping: experiment and theory. RSC Advances, 2016, 6, 56721-56727. | 3.6 | 21 |
| 82 | Electronic structure and photoluminescence properties of Zn-ion implanted silica glass before and after thermal annealing. Journal of Non-Crystalline Solids, 2016, 432, 183-188. | 3.1 | 20 |
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| 84 | On the electropolishing and anodic oxidation of Ti-15Mo alloy. Electrochimica Acta, 2016, 205, 256-265. | 5.2 | 32 |
| 85 | Surface characterisation and corrosion behaviour of niobium treated in a Ca- and P-containing solution under sparking conditions. Electrochimica Acta, 2016, 198, 91-103. | 5.2 | 42 |
| 86 | Adjacent Fe-Vacancy Interactions as the Origin of Room Temperature Ferromagnetism in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo | | |

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| 92 | XPS and DFT study of Sn incorporation into ZnO and TiO<sub>2</sub>host matrices by pulsed ion implantation. Physica Status Solidi (B): Basic Research, 2015, 252, 1890-1896. | 1.5 | 28 |
| 93 | Modification of titanium and titanium dioxide surfaces by ion implantation: Combined XPS and DFT study. Physica Status Solidi (B): Basic Research, 2015, 252, 748-754. | 1.5 | 20 |
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| 95 | Structural defects and electronic structure of N-ion implanted TiO 2 : Bulk versus thin film. Applied Surface Science, 2015, 355, 984-988. | 6.1 | 13 |
| 96 | Formation of Ge0 and GeO nanoclusters in Ge+-implanted SiO2/Si thin-film heterostructures under rapid thermal annealing. Applied Surface Science, 2015, 349, 780-784. | 6.1 | 7 |
| 97 | Pronounced, Reversible, and in Situ Modification of the Electronic Structure of Graphene Oxide via Buckling below 160 K. Journal of Physical Chemistry Letters, 2015, 6, 3163-3169. | 4.6 | 2 |
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| 100 | The characterization of Co-nanoparticles supported on graphene. RSC Advances, 2015, 5, 75600-75606. | 3.6 | 46 |
| 101 | Electronic band gap reduction and intense luminescence in Co and Mn ion-implanted SiO2. Journal of Applied Physics, 2014, 115, . | 2.5 | 16 |
| 102 | Surface characterisation of Tiâ€“15Mo alloy modified by a PEO process in various suspensions. Materials Science and Engineering C, 2014, 39, 259-272. | 7.3 | 33 |
| 103 | Band gap engineering of graphene oxide by chemical modification. Carbon, 2014, 75, 366-371. | 10.3 | 56 |
| 104 | Modulation of the band gap of graphene oxide: The role of AA-stacking. Carbon, 2014, 66, 539-546. | 10.3 | 19 |
| 105 | Study of the Structural Characteristics of 3d Metals Cr, Mn, Fe, Co, Ni, and Cu Implanted in ZnO and TiO<sub>2</sub>â€”Experiment and Theory. Journal of Physical Chemistry C, 2014, 118, 28143-28151. | 3.1 | 26 |
| 106 | The coherent potential approximation for strongly correlated systems: electronic structure and magnetic properties of NiOâ€“ZnO solid solutions. Journal of Physics Condensed Matter, 2014, 26, 115501. | 1.8 | 9 |
| 107 | A Reâ€evaluation of How Functional Groups Modify the Electronic Structure of Graphene Oxide. Advanced Materials, 2014, 26, 4870-4874. | 21.0 | 12 |
| 108 | Local Structure of Fe Impurity Atoms in ZnO: Bulk versus Surface. Journal of Physical Chemistry C, 2014, 118, 5336-5345. | 3.1 | 15 |

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| 109 | Electronic Structure and Magnetic Properties of Iron Doped TiO<sub>2</sub> (Rutile): XPS Measurements and CPA Calculations. Solid State Phenomena, 2014, 215, 28-34. | 0.3 | 2 |
| 110 | The Metallic Nature of Epitaxial Silicene Monolayers on Ag(111). Advanced Functional Materials, 2014, 24, 5253-5259. | 14.9 | 69 |
| 111 | Influence of electropolishing and anodic oxidation on morphology, chemical composition and corrosion resistance of niobium. Materials Science and Engineering C, 2014, 42, 529-537. | 7.3 | 30 |
| 112 | Electronic structure of copper pnictides: Influence of different cations and pnictogens. Physical Review B, 2013, 88, . | 3.2 | 4 |
| 113 | Reduction of conductivity and ferromagnetism induced by Ag doping in ZnO:Co. Thin Solid Films, 2013, 545, 488-495. | 1.8 | 2 |
| 114 | X-Ray Spectroscopic Study of the Conduction Band of K3:Anthracene and K3:Phenanthrene. Journal of Physical Chemistry C, 2013, , 130826233621000. | 3.1 | 1 |
| 115 | Band Gap Tuning in Poly(triazine imide), a Nonmetallic Photocatalyst. Journal of Physical Chemistry C, 2013, 117, 8806-8812. | 3.1 | 47 |
| 116 | Modification of a Tiâ€“Mo alloy surface via plasma electrolytic oxidation in a solution containing calcium and phosphorus. Electrochimica Acta, 2013, 96, 180-190. | 5.2 | 41 |
| 117 | The formation of Tiâ€“O tetrahedra and band gap reduction in SiO2 via pulsed ion implantation. Journal of Applied Physics, 2013, 113, 103704. | 2.5 | 12 |
| 118 | Room-temperature ferromagnetism via unpaired dopant electrons and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:mo>â^'</mml:mo><mml:mi>p</mml:mi></mml:mrow></mml:math>coupling in carbon-doped In<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Ma | 3.2 | 33 |
| 119 | Spectroscopic characterization of a multiband complex oxide: Insulating and conducting cement 12CaOÂ·7Al2O3. Physical Review B, 2012, 85, . | 3.2 | 21 |
| 120 | Effect of 3d doping on the electronic structure of BaFe<sub>2</sub>As<sub>2</sub>. Journal of Physics Condensed Matter, 2012, 24, 215501. | 1.8 | 35 |
| 121 | Surface Studies of Coarse-Grained and Nanostructured Titanium Implants. Journal of Nanoscience and Nanotechnology, 2012, 12, 8567-8572. | 0.9 | 5 |
| 122 | Structural and Band Gap Investigation of GaN:ZnO Heterojunction Solid Solution Photocatalyst Probed by Soft X-ray Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 7694-7700. | 3.1 | 50 |
| 123 | Formation of Mn-oxide clusters in Mn+-implanted SiO2 probed by soft X-ray emission and absorption spectroscopy. Vacuum, 2012, 86, 1615-1617. | 3.5 | 1 |
| 124 | Interplay of ballistic and chemical effects in the formation of structural defects for Sn and Pb implanted silica. Journal of Non-Crystalline Solids, 2012, 358, 3187-3192. | 3.1 | 4 |
| 125 | Computer simulation of the energy gap in ZnO- and TiO2-based semiconductor photocatalysts. Journal of Experimental and Theoretical Physics, 2012, 115, 1048-1054. | 0.9 | 4 |
| 126 | Chemical Bonding and Hybridization in 5p Binary Oxide. Journal of Physical Chemistry C, 2012, 116, 24248-24254. | 3.1 | 22 |

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| 127 | Structural ordering in a silica glass matrix under Mn ion implantation. Journal of Physics Condensed Matter, 2012, 24, 185402. | 1.8 | 3 |
| 128 | Predicting the band gap of ternary oxides containing 3<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>d</mml:mi><mml:mn>10</mml:mn></mml:msup></mml:math>and 3<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>d</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math>metals. Physical Review B, 2012, 86, . | 3.2 | 18 |
| 129 | Oxygen-vacancy-induced ferromagnetism in undoped SnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>thin films. Physical Review B, 2012, 85, . | 3.2 | 124 |
| 130 | Band-gap engineering in TiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>-based ternary oxides. Physical Review B, 2012, 85, . | 3.2 | 16 |
| 131 | Arsenic contamination of coarse-grained and nanostructured nitinol surfaces induced by chemical treatment in hydrofluoric acid. , 2012, 100B, 1812-1816. | | 5 |
| 132 | Epoxide Speciation and Functional Group Distribution in Graphene Oxide Paperâ€Like Materials. Advanced Functional Materials, 2012, 22, 3950-3957. | 14.9 | 73 |
| 133 | Selective Response of Mesoporous Silicon to Adsorbants with Nitro Groups. Chemistry - A European Journal, 2012, 18, 2912-2922. | 3.3 | 6 |
| 134 | Appearance of Ferromagnetism in Co-Doped CeO<sub>2</sub> Diluted Magnetic Semiconductors Prepared by Solid-State Reaction. Journal of Physical Chemistry C, 2011, 115, 1556-1560. | 3.1 | 55 |
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| 136 | Pb+ implanted SiO2 probed by soft x-ray emission and absorption spectroscopy. Journal of Non-Crystalline Solids, 2011, 357, 3381-3384. | 3.1 | 6 |
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| 138 | Electronic structure of the Si-C-N amorphous films. Physics of the Solid State, 2011, 53, 1806-1810. | 0.6 | 1 |
| 139 | Carbon States in Carbon-Encapsulated Nickel Nanoparticles Studied by Means of X-ray Absorption, Emission, and Photoelectron Spectroscopies. Journal of Physical Chemistry C, 2011, 115, 24615-24620. | 3.1 | 27 |
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| 141 | Identifying local dopant structures and their impact on the magnetic properties of spintronic materials. Physical Review B, 2011, 83, . | 3.2 | 14 |
| 142 | Valence structure of alkaline and post-transition metal oxides. Proceedings of SPIE, 2011, , . | 0.8 | 3 |
| 143 | Characterization of Carbon-Encapsulated Nickel and Iron Nanoparticles by Means of X-ray Absorption and Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 22413-22416. | 3.1 | 51 |
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