

Giovanni Bertoni

List of Publications by Year in descending order

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12996
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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Solution Synthesis Approach to Colloidal Cesium Lead Halide Perovskite Nanoplatelets with Monolayer-Level Thickness Control. <i>Journal of the American Chemical Society</i> , 2016, 138, 1010-1016. | 13.7 | 747 |
| 2 | Strongly emissive perovskite nanocrystal inks for high-voltage solar cells. <i>Nature Energy</i> , 2017, 2, . | 39.5 | 544 |
| 3 | Hierarchical self-assembly of suspended branched colloidal nanocrystals into superlattice structures. <i>Nature Materials</i> , 2011, 10, 872-876. | 27.5 | 415 |
| 4 | <i>In Situ</i> Transmission Electron Microscopy Study of Electron Beam-Induced Transformations in Colloidal Cesium Lead Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2017, 11, 2124-2132. | 14.6 | 246 |
| 5 | A review on hexacyanoferrate-based materials for energy storage and smart windows: challenges and perspectives. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18919-18932. | 10.3 | 235 |
| 6 | Phosphine-Free Synthesis of p-Type Copper(I) Selenide Nanocrystals in Hot Coordinating Solvents. <i>Journal of the American Chemical Society</i> , 2010, 132, 8912-8914. | 13.7 | 232 |
| 7 | First-principles calculation of the electronic structure and EELS spectra at the graphene/Ni(111) interface. <i>Physical Review B</i> , 2005, 71, . | 3.2 | 214 |
| 8 | Enhancement of Neurite Outgrowth in Neuronal-Like Cells following Boron Nitride Nanotube-Mediated Stimulation. <i>ACS Nano</i> , 2010, 4, 6267-6277. | 14.6 | 208 |
| 9 | Light-assisted delithiation of lithium iron phosphate nanocrystals towards photo-rechargeable lithium ion batteries. <i>Nature Communications</i> , 2017, 8, 14643. | 12.8 | 179 |
| 10 | Octapod-Shaped Colloidal Nanocrystals of Cadmium Chalcogenides via "One-Pot" Cation Exchange and Seeded Growth. <i>Nano Letters</i> , 2010, 10, 3770-3776. | 9.1 | 171 |
| 11 | Three-Dimensional Morphology of Iron Oxide Nanoparticles with Reactive Concave Surfaces. A Compressed Sensing-Electron Tomography (CS-ET) Approach. <i>Nano Letters</i> , 2011, 11, 4666-4673. | 9.1 | 148 |
| 12 | Blue-UV-Emitting ZnSe(Dot)/ZnS(Rod) Core/Shell Nanocrystals Prepared from CdSe/CdS Nanocrystals by Sequential Cation Exchange. <i>ACS Nano</i> , 2012, 6, 1637-1647. | 14.6 | 138 |
| 13 | Synthesis of Uniform Disk-Shaped Copper Telluride Nanocrystals and Cation Exchange to Cadmium Telluride Quantum Disks with Stable Red Emission. <i>Journal of the American Chemical Society</i> , 2013, 135, 12270-12278. | 13.7 | 138 |
| 14 | Cu ₃ P Nanocrystals as a Material Platform for Near-Infrared Plasmonics and Cation Exchange Reactions. <i>Chemistry of Materials</i> , 2015, 27, 1120-1128. | 6.7 | 137 |
| 15 | Colloidal CuFeS ₂ Nanocrystals: Intermediate Fe d-Band Leads to High Photothermal Conversion Efficiency. <i>Chemistry of Materials</i> , 2016, 28, 4848-4858. | 6.7 | 126 |
| 16 | Fluorescent Asymmetrically Cobalt-Tipped CdSe@CdS Core@Shell Nanorod Heterostructures Exhibiting Room-Temperature Ferromagnetic Behavior. <i>Journal of the American Chemical Society</i> , 2009, 131, 12817-12828. | 13.7 | 119 |
| 17 | End-to-End Assembly of Shape-Controlled Nanocrystals via a Nanowelding Approach Mediated by Gold Domains. <i>Advanced Materials</i> , 2009, 21, 550-554. | 21.0 | 114 |
| 18 | MnO _x -decorated carbonized porous silicon nanowire electrodes for high performance supercapacitors. <i>Energy and Environmental Science</i> , 2017, 10, 1505-1516. | 30.8 | 109 |

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|----|---|------|-----------|
| 19 | Hybrid Diamondâ€Graphite Nanowires Produced by Microwave Plasma Chemical Vapor Deposition. <i>Advanced Materials</i> , 2007, 19, 4058-4062. | 21.0 | 107 |
| 20 | Colloidal Monolayer In_2Se_3 Nanosheets with High Photoresponsivity. <i>Journal of the American Chemical Society</i> , 2017, 139, 3005-3011. | 13.7 | 105 |
| 21 | Water-Repellent Cellulose Fiber Networks with Multifunctional Properties. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4024-4031. | 8.0 | 103 |
| 22 | Co-axial heterostructures integrating palladium/titanium dioxide with carbon nanotubes for efficient electrocatalytic hydrogen evolution. <i>Nature Communications</i> , 2016, 7, 13549. | 12.8 | 98 |
| 23 | Strongly Exchange Coupled Core Shell Nanoparticles with High Magnetic Anisotropy: A Strategy toward Rare-Earth-Free Permanent Magnets. <i>Chemistry of Materials</i> , 2016, 28, 4214-4222. | 6.7 | 98 |
| 24 | Nanoscale Transformations in Covellite (CuS) Nanocrystals in the Presence of Divalent Metal Cations in a Mild Reducing Environment. <i>Chemistry of Materials</i> , 2015, 27, 7531-7537. | 6.7 | 89 |
| 25 | Dynamical Formation of Spatially Localized Arrays of Aligned Nanowires in Plastic Films with Magnetic Anisotropy. <i>ACS Nano</i> , 2010, 4, 1873-1878. | 14.6 | 87 |
| 26 | Quantification of crystalline and amorphous content in porous samples from electron energy loss spectroscopy. <i>Ultramicroscopy</i> , 2006, 106, 630-635. | 1.9 | 86 |
| 27 | In Vivo toxicity assessment of gold nanoparticles in <i>Drosophila melanogaster</i> . <i>Nano Research</i> , 2011, 4, 405-413. | 10.4 | 83 |
| 28 | Role of the Crystal Structure in Cation Exchange Reactions Involving Colloidal Cu_2Se Nanocrystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 9583-9590. | 13.7 | 83 |
| 29 | Direct Imaging of DNA Fibers: The Visage of Double Helix. <i>Nano Letters</i> , 2012, 12, 6453-6458. | 9.1 | 73 |
| 30 | A Cast-Mold Approach to Iron Oxide and Pt/Iron Oxide Nanocontainers and Nanoparticles with a Reactive Concave Surface. <i>Journal of the American Chemical Society</i> , 2011, 133, 2205-2217. | 13.7 | 71 |
| 31 | Decoration of graphene with nickel nanoparticles: study of the interaction with hydrogen. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1039-1046. | 10.3 | 67 |
| 32 | Influence of the Ion Coordination Number on Cation Exchange Reactions with Copper Telluride Nanocrystals. <i>Journal of the American Chemical Society</i> , 2016, 138, 7082-7090. | 13.7 | 67 |
| 33 | Colloidal CsX ($X = \text{Cl}, \text{Br}, \text{I}$) Nanocrystals and Their Transformation to CsPbX_3 Nanocrystals by Cation Exchange. <i>Chemistry of Materials</i> , 2018, 30, 79-83. | 6.7 | 67 |
| 34 | $\text{CuIn}_x\text{Ga}_{1-x}\text{S}_2$ Nanocrystals with Tunable Composition and Band Gap Synthesized via a Phosphine-Free and Scalable Procedure. <i>Chemistry of Materials</i> , 2013, 25, 3180-3187. | 6.7 | 65 |
| 35 | Role of Zn^{2+} Substitution on the Magnetic, Hyperthermic, and Relaxometric Properties of Cobalt Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6148-6157. | 3.1 | 65 |
| 36 | Assembly of shape-controlled nanocrystals by depletion attraction. <i>Chemical Communications</i> , 2011, 47, 203-205. | 4.1 | 64 |

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|----|--|------|-----------|
| 37 | Direct Determination of Polarity, Faceting, and Core Location in Colloidal Core/Shell Wurtzite Semiconductor Nanocrystals. <i>ACS Nano</i> , 2012, 6, 6453-6461. | 14.6 | 61 |
| 38 | Low-Temperature Electron Beam-Induced Transformations of Cesium Lead Halide Perovskite Nanocrystals. <i>ACS Omega</i> , 2017, 2, 5660-5665. | 3.5 | 60 |
| 39 | Super-activated biochar from poultry litter for high-performance supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2019, 285, 161-169. | 4.4 | 58 |
| 40 | Redox Centers Evolution in Phospho-Olivine Type (LiFe _{0.5} Mn _{0.5}) ₂ TeO ₇ Nanocrystals. <i>ACS Nano</i> , 2019, 13, 10111-10122. | 9.1 | 56 |
| 41 | Cation exchange mediated elimination of the Fe-antisites in the hydrothermal synthesis of LiFePO ₄ . <i>Nano Energy</i> , 2015, 16, 256-267. | 16.0 | 54 |
| 42 | Etched Colloidal LiFePO ₄ Nanoplatelets toward High-Rate Capable Li-Ion Battery Electrodes. <i>Nano Letters</i> , 2014, 14, 6828-6835. | 9.1 | 53 |
| 43 | Synthesis of Highly Fluorescent Copper Clusters Using Living Polymer Chains as Combined Reducing Agents and Ligands. <i>ACS Nano</i> , 2015, 9, 11886-11897. | 14.6 | 53 |
| 44 | Accelerated Removal of Fe-Antisite Defects while Nanosizing Hydrothermal LiFePO ₄ with Ca ²⁺ . <i>Nano Letters</i> , 2016, 16, 2692-2697. | 9.1 | 52 |
| 45 | Tuning and Locking the Localized Surface Plasmon Resonances of CuS (Covellite) Nanocrystals by an Amorphous CuPd ₂ S Shell. <i>Chemistry of Materials</i> , 2017, 29, 1716-1723. | 6.7 | 50 |
| 46 | Accuracy and precision in model based EELS quantification. <i>Ultramicroscopy</i> , 2008, 108, 782-790. | 1.9 | 49 |
| 47 | Electrospinning of Polystyrene/Polyhydroxybutyrate Nanofibers Doped with Porphyrin and Graphene for Chemiresistor Gas Sensors. <i>Nanomaterials</i> , 2019, 9, 280. | 4.1 | 49 |
| 48 | Discovering the Influence of Lithium Loss on Garnet Li ₇ La ₃ Zr ₂ O ₁₂ Electrolyte Phase Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 3415-3424. | 5.1 | 49 |
| 49 | Energy Product Enhancement in Imperfectly Exchange-Coupled Nanocomposite Magnets. <i>Advanced Electronic Materials</i> , 2016, 2, 1500365. | 5.1 | 47 |
| 50 | Colloidal PbTe Nanocrystal heterostructures. <i>Journal of Materials Chemistry</i> , 2010, 20, 1357-1366. | 6.7 | 46 |
| 51 | Density of states of a two-dimensional electron gas at semiconductor surfaces. <i>Physical Review B</i> , 2001, 63, . | 3.2 | 45 |
| 52 | Restructured endoplasmic reticulum generated by mutant amyotrophic lateral sclerosis-linked VAPB is cleared by the proteasome. <i>Journal of Cell Science</i> , 2012, 125, 3601-3611. | 2.0 | 41 |
| 53 | Model-based quantification of EELS spectra: Including the fine structure. <i>Ultramicroscopy</i> , 2006, 106, 976-980. | 1.9 | 40 |
| 54 | Boron nitride nanotubes and primary human osteoblasts: <i>in vitro</i> compatibility and biological interactions under low frequency ultrasound stimulation. <i>Nanotechnology</i> , 2013, 24, 465102. | 2.6 | 40 |

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|----|---|------|-----------|
| 55 | The Role of Metal Disulfide Interlayer in Li ⁺ S Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1014-1023. | 3.1 | 40 |
| 56 | Superparamagnetic cellulose fiber networks via nanocomposite functionalization. <i>Journal of Materials Chemistry</i> , 2012, 22, 1662-1666. | 6.7 | 39 |
| 57 | Facile transformation of FeO/Fe ₃ O ₄ core-shell nanocubes to Fe ₃ O ₄ via magnetic stimulation. <i>Scientific Reports</i> , 2016, 6, 33295. | 3.3 | 37 |
| 58 | In situ decoration of laser-scribed graphene with TiO ₂ nanoparticles for scalable high-performance micro-supercapacitors. <i>Carbon</i> , 2021, 176, 296-306. | 10.3 | 37 |
| 59 | Disentangling the Role of Shape, Ligands, and Dielectric Constants in the Absorption Properties of Colloidal CdSe/CdS Nanocrystals. <i>ACS Photonics</i> , 2016, 3, 58-67. | 6.6 | 34 |
| 60 | Electrical switching in Fe ²⁺ Cr ³⁺ MgO ²⁺ Fe magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2008, 92, 212115. | 3.3 | 33 |
| 61 | Hollow and Concave Nanoparticles via Preferential Oxidation of the Core in Colloidal Core/Shell Nanocrystals. <i>Journal of the American Chemical Society</i> , 2014, 136, 9061-9069. | 13.7 | 32 |
| 62 | Enabling High-Performance NASICON-Based Solid-State Lithium Metal Batteries Towards Practical Conditions. <i>Advanced Functional Materials</i> , 2021, 31, 2102765. | 14.9 | 32 |
| 63 | Magnetic Force Microscopy and Energy Loss Imaging of Superparamagnetic Iron Oxide Nanoparticles. <i>Scientific Reports</i> , 2011, 1, 202. | 3.3 | 31 |
| 64 | Nanochains Formation of Superparamagnetic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7249-7254. | 3.1 | 29 |
| 65 | Topotaxial Phase Transformation in Cobalt Doped Iron Oxide Core/Shell Hard Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2017, 29, 1279-1289. | 6.7 | 29 |
| 66 | Nanoscale mapping of plasmon and exciton in ZnO tetrapods coupled with Au nanoparticles. <i>Scientific Reports</i> , 2016, 6, 19168. | 3.3 | 27 |
| 67 | Highly efficient plasmon-mediated electron injection into cerium oxide from embedded silver nanoparticles. <i>Nanoscale</i> , 2019, 11, 10282-10291. | 5.6 | 27 |
| 68 | Addition of transition metals to lithium intercalated fullerides enhances hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2124-2131. | 7.1 | 25 |
| 69 | Atomic Scale Structure and Reduction of Cerium Oxide at the Interface with Platinum. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500375. | 3.7 | 25 |
| 70 | Pyramid-Shaped Wurtzite CdSe Nanocrystals with Inverted Polarity. <i>ACS Nano</i> , 2015, 9, 8537-8546. | 14.6 | 25 |
| 71 | Ab Initio Structure Determination of Cu ₂ Te Plasmonic Nanocrystals by Precession-Assisted Electron Diffraction Tomography and HAADF-STEM Imaging. <i>Inorganic Chemistry</i> , 2018, 57, 10241-10248. | 4.0 | 25 |
| 72 | Solid solutions and phase transitions in (Ca,M ₂ ⁺)M ₂ Si ₂ O ₆ pyroxenes (M ₂ ⁺ = Co, Fe, Mg). <i>American Mineralogist</i> , 2014, 99, 704-711. | 1.9 | 23 |

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|----|--|------|-----------|
| 73 | Water-Mediated ElectroHydrogenation of CO ₂ at Near-Equilibrium Potential by Carbon Nanotubes/Cerium Dioxide Nanohybrids. ACS Applied Energy Materials, 2020, 3, 8509-8518. | 5.1 | 23 |
| 74 | Model-based quantification of EELS spectra: Treating the effect of correlated noise. Ultramicroscopy, 2008, 108, 74-83. | 1.9 | 22 |
| 75 | Formation and magnetic manipulation of periodically aligned microchains in thin plastic membranes. Journal of Applied Physics, 2012, 112, 083927. | 2.5 | 22 |
| 76 | The Fresnel effect of a defocused biprism on the fringes in inelastic holography. Ultramicroscopy, 2008, 108, 263-269. | 1.9 | 21 |
| 77 | Relevance of LiPF ₆ as Etching Agent of LiMnPO ₄ Colloidal Nanocrystals for High Rate Performing Li-ion Battery Cathodes. ACS Applied Materials & Interfaces, 2016, 8, 4069-4075. | 8.0 | 20 |
| 78 | Magnetoresistive phenomena in an Fe-filled carbon nanotube/elastomer composite. Nanotechnology, 2010, 21, 125505. | 2.6 | 20 |
| 79 | Magnetic Shape Memory Turns to Nano: Microstructure Controlled Actuation of Free-standing Nanodisks. Small, 2018, 14, e1803027. | 10.0 | 19 |
| 80 | Asymmetric supercapacitors based on nickel decorated graphene and porous graphene electrodes. Electrochimica Acta, 2022, 424, 140626. | 5.2 | 19 |
| 81 | Nanoscale analysis of interfaces in a metal/oxide/oxide trilayer obtained by pulsed laser deposition. Applied Physics Letters, 2007, 91, 023106. | 3.3 | 18 |
| 82 | Birth and Growth of Octapod-Shaped Colloidal Nanocrystals Studied by Electron Tomography. Journal of Physical Chemistry C, 2011, 115, 20128-20133. | 3.1 | 18 |
| 83 | Martensite-enabled magnetic flexibility: The effects of post-growth treatments in magnetic-shape-memory Heusler thin films. Acta Materialia, 2020, 187, 135-145. | 7.9 | 18 |
| 84 | A holographic biprism as a perfect energy filter?. Ultramicroscopy, 2011, 111, 887-893. | 1.9 | 17 |
| 85 | Toward an All-ceramic Cathode-Electrolyte Interface with Low-temperature Pressed NASICON Li _{1.5} Al _{0.5} Ge _{1.5} (PO ₄) ₃ Electrolyte. Advanced Materials Interfaces, 2020, 7, 2000164. | 3.7 | 17 |
| 86 | Tuning of the characteristics of Au nanoparticles produced by solid target laser ablation into water by changing the irradiation parameters. Microscopy Research and Technique, 2010, 73, 937-943. | 2.2 | 16 |
| 87 | Electrical response from nanocomposite PDMS-Ag NPs generated by <i>in situ</i> laser ablation in solution. Nanotechnology, 2013, 24, 035707. | 2.6 | 16 |
| 88 | Influence of defect distribution on the reducibility of CeO ₂ nanoparticles. Nanotechnology, 2016, 27, 425705. | 2.6 | 16 |
| 89 | Modulation of the magnetic properties of gold-spinel ferrite heterostructured nanocrystals. Nano Research, 2020, 13, 785-794. | 10.4 | 16 |
| 90 | Growth of multi-wall and single-wall carbon nanotubes with in situ high vacuum catalyst deposition. Carbon, 2004, 42, 440-443. | 10.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
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| 91 | Structure and spectroscopic properties of C _x Ni and CN _x Ni nanocomposite films. Journal of Applied Physics, 2005, 98, 034313. | 2.5 | 15 |
| 92 | Effect of pressure on the properties of a NASICON Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ nanofiber solid electrolyte. Journal of Materials Chemistry A, 2021, 9, 13688-13696. | 10.3 | 15 |
| 93 | Unveiling the Cation Exchange Reaction between the NASICON Li _{1.5} Al _{0.5} Ge _{1.5} (PO ₄) ₃ Solid Electrolyte and the pyr13TFSI Ionic Liquid. Journal of the American Chemical Society, 2022, 144, 3442-3448. | 13.7 | 15 |
| 94 | First-principles calculation of the electronic structure and energy loss near edge spectra of chiral carbon nanotubes. Micron, 2006, 37, 486-491. | 2.2 | 14 |
| 95 | Deconvolution of core electron energy loss spectra. Ultramicroscopy, 2009, 109, 1343-1352. | 1.9 | 14 |
| 96 | Structural characterization of Er-doped Li ₂ O-Al ₂ O ₃ -SiO ₂ glass ceramics. Optical Materials, 2008, 30, 1183-1188. | 3.6 | 13 |
| 97 | Morphology, structural properties and reducibility of size-selected CeO ₂ nanoparticles. Beilstein Journal of Nanotechnology, 2015, 6, 60-67. | 2.8 | 13 |
| 98 | Direct Quantification of Cu Vacancies and Spatial Localization of Surface Plasmon Resonances in Copper Phosphide Nanocrystals. , 2019, 1, 665-670. | | 13 |
| 99 | Adsorption sites at Cs nanowires grown on the InAs(110) surface. Surface Science, 2001, 477, 35-42. | 1.9 | 12 |
| 100 | Contraction, cation oxidation state and size effects in cerium oxide nanoparticles. Nanotechnology, 2017, 28, 495702. | 2.6 | 12 |
| 101 | Optical and electronic properties of silver nanoparticles embedded in cerium oxide. Journal of Chemical Physics, 2020, 152, 114704. | 3.0 | 12 |
| 102 | Formation and microscopic investigation of iron oxide aligned nanowires into polymeric nanocomposite films. Microscopy Research and Technique, 2010, 73, 952-958. | 2.2 | 11 |
| 103 | 3d Metal Doping of Core@Shell W _{1/4} stite@ferrite Nanoparticles as a Promising Route toward Room Temperature Exchange Bias Magnets. Small, 2022, 18, e2107426. | 10.0 | 11 |
| 104 | Metal-induced gap states at InAs(110) surface. Surface Science, 2000, 454-456, 539-542. | 1.9 | 10 |
| 105 | Temperature-dependent interaction of C ₆₀ with Ge(1 1 1)-c(2 × 8). Applied Surface Science, 2003, 212-213, 52-56. | 6.1 | 10 |
| 106 | Ag island nucleation on Ge(1 1 1)-c(2 × 8). Applied Surface Science, 2003, 212-213, 213-218. | 6.1 | 10 |
| 107 | Effect of Ni-nanoparticles decoration on graphene to enable high capacity sodium-ion battery negative electrodes. Electrochimica Acta, 2017, 250, 212-218. | 5.2 | 9 |
| 108 | Platinum carbonyl clusters decomposition on defective graphene surface. Surface Science, 2020, 691, 121499. | 1.9 | 8 |

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|-----|--|-----|-----------|
| 109 | Bandgap determination from individual orthorhombic thin cesium lead bromide nanosheets by electron energy-loss spectroscopy. <i>Nanoscale Horizons</i> , 2020, 5, 1610-1617. | 8.0 | 8 |
| 110 | New Approach for the Step by Step Control of Magnetic Nanostructure Functionalization. <i>Inorganic Chemistry</i> , 2014, 53, 9166-9173. | 4.0 | 7 |
| 111 | Origin of the visible emission of black silicon microstructures. <i>Applied Physics Letters</i> , 2015, 107, . | 3.3 | 7 |
| 112 | Selective Fe Promotion on Au Nanoparticles: An Efficient Way to Activate Au/SiO ₂ Catalysts for the CO Oxidation Reaction. <i>ChemCatChem</i> , 2017, 9, 2952-2960. | 3.7 | 7 |
| 113 | High Temperature Stability of Onion-Like Carbon vs Highly Oriented Pyrolytic Graphite. <i>PLoS ONE</i> , 2014, 9, e105788. | 2.5 | 7 |
| 114 | Electronic surface reconstruction and correlation in the fcc and dimer phases of RbC60. <i>Physical Review B</i> , 2007, 75, . | 3.2 | 6 |
| 115 | Fitting the momentum dependent loss function in EELS. <i>Microscopy Research and Technique</i> , 2011, 74, 212-218. | 2.2 | 6 |
| 116 | Unraveling the mechanism of the one-pot synthesis of exchange coupled Co-based nano-heterostructures with a high energy product. <i>Nanoscale</i> , 2020, 12, 14076-14086. | 5.6 | 6 |
| 117 | Steering the magnetic properties of Ni/NiO/CoO core-shell nanoparticle films: The role of core-shell interface versus interparticle interactions. <i>Physical Review Materials</i> , 2017, 1, . | 2.4 | 6 |
| 118 | Synthesis of Electrospun NASICON Li _{1.5} Al _{0.5} Ge _{1.5} (PO ₄) ₃ Solid Electrolyte Nanofibers by Control of Germanium Hydrolysis. <i>Journal of the Electrochemical Society</i> , 2021, 168, 110512. | 2.9 | 6 |
| 119 | Single-particle and collective excitations of a two-dimensional electron gas at the Cs/InAs(110) surface. <i>Physical Review B</i> , 2001, 64, . | 3.2 | 5 |
| 120 | Interplay of Internal Structure and Interfaces on the Emitting Properties of Hybrid ZnO Hierarchical Particles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15182-15191. | 8.0 | 5 |
| 121 | Formation of carbon nitride nanospheres by ion implantation. <i>Materials Chemistry and Physics</i> , 2007, 103, 290-294. | 4.0 | 4 |
| 122 | Magnetism of aniline modified graphene-based materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 415, 45-50. | 2.3 | 4 |
| 123 | Investigation of Ni@CoO core-shell nanoparticle films synthesized by sequential layer deposition. <i>Applied Surface Science</i> , 2017, 396, 1860-1865. | 6.1 | 4 |
| 124 | Ag/MgO Nanoparticles via Gas Aggregation Nanocluster Source for Perovskite Solar Cell Engineering. <i>Materials</i> , 2021, 14, 5507. | 2.9 | 4 |
| 125 | Model-based quantification of EELS: is standardless quantification possible?. <i>Mikrochimica Acta</i> , 2008, 161, 439-443. | 5.0 | 3 |
| 126 | Laser-induced disaggregation of TiO ₂ nanofillers for uniform nanocomposites. <i>Nanotechnology</i> , 2014, 25, 125702. | 2.6 | 3 |

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|-----|--|-----|-----------|
| 127 | Nickel addition to optimize the hydrogen storage performance of lithium intercalated fullerenes. Materials Research Bulletin, 2020, 126, 110848. | 5.2 | 3 |
| 128 | Influence of Rutile and Anatase TiO_2 Precursors on the Synthesis of a $\text{Li}_{1.5}\text{Al}_{0.5}\text{Ti}_{1.5}(\text{PO}_4)_3$ Electrolyte for Solid-State Lithium Batteries. Journal of the Electrochemical Society, 2022, 169, 040515. | 2.9 | 3 |
| 129 | Electron microscopy studies of electron-beam sensitive PbTe -based nanostructures. Microscopy Research and Technique, 2010, 73, 944-951. | 2.2 | 2 |
| 130 | Antiferromagnetic transition in graphene functionalized with nitroaniline. Journal of Nanophotonics, 2017, 11, 032512. | 1.0 | 1 |
| 131 | Structural Characterization of Erbium doped LAS Glass Ceramic Obtained by Glass Melting Technique. Materials Science Forum, 2007, 555, 377-381. | 0.3 | 0 |