

Dorota A Pawlak

List of Publications by Year in descending order

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29
papers

853
citations

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1256
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Interpretation of XPS O (1s) in Mixed Oxides Proved on Mixed Perovskite Crystals. <i>Journal of Physical Chemistry B</i> , 2002, 106, 504-507. | 2.6 | 126 |
| 2 | Roadmap on optical metamaterials. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 093005. | 2.2 | 118 |
| 3 | How Far Are We from Making Metamaterials by Self-Organization? The Microstructure of Highly Anisotropic Particles with an SRR-Like Geometry. <i>Advanced Functional Materials</i> , 2010, 20, 1116-1124. | 14.9 | 111 |
| 4 | Self-Organized, Rodlike, Micrometer-Scale Microstructure of Tb ₃ Sc ₂ Al ₃ O ₁₂ /TbScO ₃ :Pr Eutectic. <i>Chemistry of Materials</i> , 2006, 18, 2450-2457. | 6.7 | 78 |
| 5 | ESCA Studies of Yttrium Aluminum Garnets. <i>Journal of Physical Chemistry B</i> , 1999, 103, 1454-1461. | 2.6 | 75 |
| 6 | Nanoparticle Direct Doping: Novel Method for Manufacturing Three-Dimensional Bulk Plasmonic Nanocomposites. <i>Advanced Functional Materials</i> , 2013, 23, 3443-3451. | 14.9 | 48 |
| 7 | A SrTiO ₃ -TiO ₂ eutectic composite as a stable photoanode material for photoelectrochemical hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 538-546. | 20.2 | 42 |
| 8 | When Eutectics Meet Plasmonics: Nanoplasmonic, Volumetric, Self-Organized, Silver-Based Eutectic. <i>Advanced Optical Materials</i> , 2015, 3, 381-389. | 7.3 | 38 |
| 9 | ESCA Studies of Yttrium Orthoaluminum Perovskites. <i>Journal of Physical Chemistry B</i> , 1999, 103, 3332-3336. | 2.6 | 24 |
| 10 | Temperature and atmosphere tunability of the nanoplasmonic resonance of a volumetric eutectic-based Bi ₂ O ₃ -Ag metamaterial. <i>Optics Express</i> , 2015, 23, 19098. | 3.4 | 23 |
| 11 | PrAlO ₃ /PrAl ₁₁ O ₁₈ Eutectic: Its Microstructure and Spectroscopic Properties. <i>Crystal Growth and Design</i> , 2008, 8, 1243-1249. | 3.0 | 22 |
| 12 | Growth of perovskite-type oxides (RE,Sr)(Al,Ta)O ₃ as substrates for GaN epitaxial growth (RE=La,Nd). <i>Journal of Crystal Growth</i> , 2002, 235, 277-282. | 1.5 | 19 |
| 13 | New Self-Organization Route to Tunable Narrowband Optical Filters and Polarizers Demonstrated with ZnO/ZnWO ₄ Eutectic Composite. <i>Advanced Optical Materials</i> , 2020, 8, 1901617. | 7.3 | 19 |
| 14 | Growth of a Plate-Shaped SrTiO ₃ /TiO ₂ Eutectic. <i>Crystal Growth and Design</i> , 2011, 11, 3935-3940. | 3.0 | 16 |
| 15 | Structure and spectroscopic properties of (AA ²⁺)(BB ²⁺)O ₃ mixed-perovskite crystals. <i>Journal of Materials Research</i> , 2005, 20, 3329-3337. | 2.6 | 15 |
| 16 | Hydrogen bonding and tautomerism of benzylideneanilines in the solid state. <i>Journal of Physical Organic Chemistry</i> , 1999, 12, 875-880. | 1.9 | 13 |
| 17 | Solid-state NMR and x-ray diffraction studies of ionic complex of 1,8-bis(dimethylamino)naphthalene (DMAN) with picrolonic acid. <i>Journal of Physical Organic Chemistry</i> , 1997, 10, 814-824. | 1.9 | 12 |
| 18 | When eutectic composites meet photoelectrochemistry – Highly stable and efficient UV-visible hybrid photoanodes. <i>Journal of Catalysis</i> , 2017, 352, 93-101. | 6.2 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Synthesis and structural study of a self-organized MnTiO ₃ –TiO ₂ eutectic. Journal of Alloys and Compounds, 2016, 659, 152-158. | 5.5 | 8 |
| 20 | Selective surface-enhanced Raman scattering in a bulk nanoplasmonic Bi ₂ O ₃ -Ag eutectic composite. Nanophotonics, 2020, 9, 4307-4314. | 6.0 | 7 |
| 21 | Optically-active metastable defects in volumetric nanoplasmonic composites. Scientific Reports, 2018, 8, 13425. | 3.3 | 6 |
| 22 | Bulk nanocomposite made of ZnO lamellae embedded in the ZnWO ₄ matrix: growth from the melt. Journal of Materials Science, 2021, 56, 11219-11228. | 3.7 | 6 |
| 23 | Self-Phase-Matched Second-Harmonic and White-Light Generation in a Biaxial Zinc Tungstate Single Crystal. Scientific Reports, 2017, 7, 45247. | 3.3 | 5 |
| 24 | Manufacturing of Volumetric Glass-Based Composites with Single- and Double-QD Doping. Particle and Particle Systems Characterization, 2019, 36, 1800124. | 2.3 | 5 |
| 25 | Self-Organized Structures for Metamaterials. , 2009, , . | | 3 |
| 26 | Growth and characterization of the perovskite-type oxides (NdSr)(AlNb)O ₃ and (LaSr)(GaNb)O ₃ as substrates for GaN epitaxial growth. Journal of Alloys and Compounds, 2002, 339, 335-338. | 5.5 | 2 |
| 27 | Eutectics: When Eutectics Meet Plasmonics: Nanoplasmonic, Volumetric, Self-Organized, Silver-Based Eutectic (Advanced Optical Materials 3/2015). Advanced Optical Materials, 2015, 3, 414-414. | 7.3 | 0 |
| 28 | Guest Editors'™ Preface. Journal of Materials Science, 2017, 52, 5475-5476. | 3.7 | 0 |
| 29 | Eutectic Nano/Microstructure: New Self-Organization Route to Tunable Narrowband Optical Filters and Polarizers Demonstrated with ZnO–ZnWO ₄ Eutectic Composite (Advanced Optical) Tj ETQq1 73.784314 rgBT /Ove | | |