

# Elson Longo

## List of Publications by Year in descending order

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1,381  
papers

42,075  
citations

3919

88  
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124  
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1393  
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1393  
docs citations

1393  
times ranked

31997  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-walled silicon nanotube as an exceptional candidate to eliminate SARS-CoV-2: a theoretical study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 3042-3051.	2.0	1
2	Integrated experimental and theoretical study on the phase transition and photoluminescent properties of $ZrO_2:xTb^{3+}$ ( $x=1, 2, 4$ and $8$ mol %). <i>Materials Research Bulletin</i> , 2022, 145, 111532.	2.7	2
3	Red-emitting $CaWO_4:Eu^{3+}, Tm^{3+}$ phosphor for solid-state lighting: Luminescent properties and morphology evolution. <i>Journal of Rare Earths</i> , 2022, 40, 226-233.	2.5	9
4	Photoluminescence emissions of $Ca_{1-x}WO_4:xEu^{3+}$ : Bridging between experiment and DFT calculations. <i>Journal of Rare Earths</i> , 2022, 40, 1527-1534.	2.5	6
5	Connecting morphology and photoluminescence emissions in $\hat{I}^2-Ag_2MoO_4$ microcrystals. <i>Ceramics International</i> , 2022, 48, 3740-3750.	2.3	9
6	Enhanced photocatalytic activity of $CaMoO_4/g-C_3N_4$ composites obtained via sonochemistry synthesis. <i>Materials Research Bulletin</i> , 2022, 146, 111621.	2.7	19
7	A diagnosis approach for semiconductor properties evaluation from ab initio calculations: Ag-based materials investigation. <i>Journal of Solid State Chemistry</i> , 2022, 305, 122670.	1.4	7
8	Toxicity of $\hat{I}^{\pm}Ag_2WO_4$ microcrystals to freshwater microalga <i>Raphidocelis subcapitata</i> at cellular and population levels. <i>Chemosphere</i> , 2022, 288, 132536.	4.2	4
9	Unveiling the shape-selective $CoCr_2-yScyO_4$ nanomagnetism. <i>Applied Surface Science</i> , 2022, 574, 151555.	3.1	15
10	Tailoring $Bi_2MoO_6$ by $Eu^{3+}$ incorporation for enhanced photoluminescence emissions. <i>Journal of Luminescence</i> , 2022, 243, 118675.	1.5	9
11	Investigation of electronic structure, morphological features, optical, colorimetric, and supercapacitor electrode properties of $CoWO_4$ crystals. <i>Materials Science for Energy Technologies</i> , 2022, 5, 125-144.	1.0	8
12	Observation of dielectric dispersion and relaxation behavior in $Ni^{2+}$ -substituted cobalt ferrite nanoparticles. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3418-3428.	2.7	18
13	Pure and $Ni_2O_3$ -decorated $CeO_2$ nanoparticles applied as CO gas sensor: Experimental and theoretical insights. <i>Ceramics International</i> , 2022, 48, 14014-14025.	2.3	11
14	$\hat{I}^{\pm}Ag_2WO_4$ under microwave, electron beam and femtosecond laser irradiations: Unveiling the relationship between morphology and photoluminescence emissions. <i>Journal of Alloys and Compounds</i> , 2022, 903, 163840.	2.8	3
15	Interface matters: Design of an efficient $\hat{I}^{\pm}Ag_2WO_4/Ag_3PO_4$ photocatalyst. <i>Materials Chemistry and Physics</i> , 2022, 280, 125710.	2.0	7
16	Synthesis and defect characterization of hybrid ceria nanostructures as a possible novel therapeutic material towards COVID-19 mitigation. <i>Scientific Reports</i> , 2022, 12, 3341.	1.6	11
17	Antifungal Activity and Biocompatibility of $\hat{I}^{\pm}AgVO_3$ , $\hat{I}^{\pm}Ag_2WO_4$ , and $\hat{I}^2-Ag_2MoO_4$ Using a Three-Dimensional Coculture Model of the Oral Mucosa. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 826123.	2.0	8
18	$CuWO_4 MnWO_4$ heterojunction thin film with improved photoelectrochemical and photocatalytic properties using simulated solar irradiation. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 997-1011.	1.2	11

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19	Fermented Jussara: Evaluation of Nanostructure Formation, Bioaccessibility, and Antioxidant Activity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 814466.	2.0	6
20	Effects of $\text{Ag}_2\text{WO}_4$ crystals on photosynthetic efficiency and biomolecule composition of the algae <i>Raphidocelis subcapitata</i> . <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	2
21	Efficient Ni and Fe doping process in ZnO with enhanced photocatalytic activity: A theoretical and experimental investigation. <i>Materials Research Bulletin</i> , 2022, 152, 111849.	2.7	14
22	Influence of Cu-doped $\text{TiO}_2$ on its structural and photocatalytic properties. <i>Eletica Quimica</i> , 2022, 47, 130-140.	0.2	0
23	Performance and stability of femtosecond laser-irradiated $\text{Fe}_2\text{O}_3$ materials as photocatalysts for methylene blue dye discoloration. <i>Eletica Quimica</i> , 2022, 47, 105-119.	0.2	0
24	Influence of Zr-metal-organic framework coupling on the morphology and photoelectrochemical properties of $\text{SnO}_2$ . <i>Eletica Quimica</i> , 2022, 47, 120-129.	0.2	0
25	Comparative study of benzimidazole encapsulation in boron nitride and carbon nanotubes: A quantum chemistry study. <i>Eletica Quimica</i> , 2022, 47, 50-56.	0.2	1
26	Activated carbon from pumpkin seeds: Production by simultaneous carbonization activation for occupational respiratory protection. <i>Eletica Quimica</i> , 2022, 47, 63-76.	0.2	0
27	High photocatalytic activity of $\text{Ag}/\text{Ag}_3\text{PO}_4:\text{W}$ heterostructure formed by femtosecond laser irradiation. <i>Eletica Quimica</i> , 2022, 47, 20-27.	0.2	0
28	Surfactant effects in the morphology and the photocatalytic activity of the $\text{BaMoO}_4$ crystals. <i>Eletica Quimica</i> , 2022, 47, 80-89.	0.2	1
29	Comparative study of benzimidazole encapsulation in boron nitride and carbon nanotubes: A quantum chemistry study. <i>Eletica Quimica</i> , 2022, 47, 57-62.	0.2	0
30	Luminescence and structural properties of $\text{Ca}_{1-x}\text{ZrO}_3:\text{Eu}_x$ : An experimental and theoretical approach. <i>Eletica Quimica</i> , 2022, 47, 90-104.	0.2	1
31	$\text{YVO}_4:\text{RE}$ (RE = Eu, Tm, and Yb/Er) nanoparticles synthesized by the microwave-assisted hydrothermal method for photoluminescence application. <i>Eletica Quimica</i> , 2022, 47, 39-49.	0.2	2
32	Activated carbon from pumpkin seeds: Production by simultaneous carbonization activation for occupational respiratory protection. <i>Eletica Quimica</i> , 2022, 47, 77-79.	0.2	0
33	Amorphous calcium phosphate nanoparticles allow fingerprint detection via self-activated luminescence. <i>Chemical Engineering Journal</i> , 2022, 443, 136443.	6.6	3
34	Electrical transport mechanisms of Neodymium-doped rare-earth semiconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 11632-11649.	1.1	4
35	Enhanced red emission in $\text{Sr}(1-x)\text{Eu}_x\text{Mo}_0.5\text{W}_0.5\text{O}_4$ ( $x = 0.01, 0.02, 0.04$ ) phosphor and spectroscopic analysis for display applications. <i>Journal of Materials Science</i> , 2022, 57, 8634-8647.	1.7	6
36	Inactivation of SARS-CoV-2 by a chitosan/ $\text{Ag}_2\text{WO}_4$ composite generated by femtosecond laser irradiation. <i>Scientific Reports</i> , 2022, 12, 8118.	1.6	7

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37	Effect of calcination temperature and pressure-assisted heat treatment on the dye degradation performance of SnO <sub>2</sub> photocatalyst obtained by a simple synthesis method. Materials Research Bulletin, 2022, 153, 111914.	2.7	4
38	Modified Titanium Dioxide as a Potential Visible-Light-Activated Photosensitizer for Bladder Cancer Treatment. ACS Omega, 2022, 7, 17563-17574.	1.6	2
39	Formation of Metallic Ag on AgBr by Femtosecond Laser Irradiation. Physchem, 2022, 2, 179-190.	0.5	3
40	Towards a relationship between photoluminescence emissions and photocatalytic activity of Ag <sub>2</sub> SeO <sub>4</sub> : combining experimental data and theoretical insights. Dalton Transactions, 2022, 51, 11346-11362.	1.6	5
41	Bridging experiment and theory: Morphology, optical, electronic, and magnetic properties of MnWO <sub>4</sub> . Applied Surface Science, 2022, 600, 154081.	3.1	9
42	Presence of excited electronic states on terbium incorporation in CaMoO <sub>4</sub> : Insights from experimental synthesis and first-principles calculations. Journal of Physics and Chemistry of Solids, 2021, 149, 109790.	1.9	8
43	Effective strategy to coupling Zr-MOF/ZnO: Synthesis, morphology and photoelectrochemical properties evaluation. Journal of Solid State Chemistry, 2021, 293, 121794.	1.4	23
44	New insights into the nature of the bandgap of CuGeO <sub>3</sub> nanofibers: Synthesis, electronic structure, and optical and photocatalytic properties. Materials Today Communications, 2021, 26, 101701.	0.9	4
45	Effects of donor density on power-law response in tin dioxide gas sensors. Sensors and Actuators B: Chemical, 2021, 329, 129253.	4.0	8
46	Cation-exchange mediated synthesis of hydrogen and sodium titanates heterojunction: Theoretical and experimental insights toward photocatalytic mechanism. Applied Surface Science, 2021, 538, 148137.	3.1	25
47	Effect of hydrothermal temperature on the antibacterial and photocatalytic activity of WO <sub>3</sub> decorated with silver nanoparticles. Journal of Sol-Gel Science and Technology, 2021, 97, 228-244.	1.1	8
48	Modulating the properties of multifunctional semiconductors by means of morphology: Theory meets experiments. Computational Materials Science, 2021, 188, 110217.	1.4	19
49	Electronic structure, optical and sonophotocatalytic properties of spindle-like CaWO <sub>4</sub> microcrystals synthesized by the sonochemical method. Journal of Alloys and Compounds, 2021, 855, 157377.	2.8	14
50	Cerium molybdate nanocrystals: Microstructural, optical and gas-sensing properties. Journal of Alloys and Compounds, 2021, 857, 157562.	2.8	11
51	Effect of temperature on ultrasonic spray pyrolysis method in zinc tungstate: The relationship between structural and optical properties. Materials Chemistry and Physics, 2021, 258, 123991.	2.0	4
52	An investigation of photovoltaic devices based on p-Cu <sub>2</sub> O and n-WO <sub>3</sub> junction through an electrolyte solution containing a redox pair. International Journal of Energy Research, 2021, 45, 2797-2809.	2.2	2
53	Revealing the Nature of Defects in Ag <sub>2</sub> WO <sub>4</sub> by Positron Annihilation Lifetime Spectroscopy: A Joint Experimental and Theoretical Study. Crystal Growth and Design, 2021, 21, 1093-1102.	1.4	11
54	Role of Surfaces in the Magnetic and Ozone Gas-Sensing Properties of ZnFe <sub>2</sub> O <sub>4</sub> Nanoparticles: Theoretical and Experimental Insights. ACS Applied Materials & Interfaces, 2021, 13, 4605-4617.	4.0	49

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55	ZnO/bentonite Hybrids Obtained by a Simple Method of Synthesis and Applied as Catalyst for Biodiesel Production. <i>Engineering Materials</i> , 2021, , 1-25.	0.3	2
56	Barium strontium titanate-based perovskite materials from DFT perspective: assessing the structural, electronic, vibrational, dielectric and energetic properties. <i>Theoretical Chemistry Accounts</i> , 2021, 140, 1.	0.5	9
57	Synthesis, characterization, photocatalytic, and antimicrobial activity of ZrO <sub>2</sub> nanoparticles and Ag@ZrO <sub>2</sub> nanocomposite prepared by the advanced oxidative process/hydrothermal route. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 113-126.	1.1	15
58	Unraveling a Biomass-Derived Multiphase Catalyst for the Dehydrogenative Coupling of Silanes with Alcohols under Aerobic Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2912-2928.	3.2	8
59	Experimental and Theoretical Insights into the Structural Disorder and Gas Sensing Properties of ZnO. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1447-1457.	2.0	11
60	Structure, Photoluminescence Emissions, and Photocatalytic Activity of Ag <sub>2</sub> SeO <sub>3</sub> : A Joint Experimental and Theoretical Investigation. <i>Inorganic Chemistry</i> , 2021, 60, 5937-5954.	1.9	10
61	SiO <sub>2</sub> -Ag Composite as a Highly Virucidal Material: A Roadmap that Rapidly Eliminates SARS-CoV-2. <i>Nanomaterials</i> , 2021, 11, 638.	1.9	41
62	A scalable electron beam irradiation platform applied for allotropic carbon transformation. <i>Carbon</i> , 2021, 174, 567-580.	5.4	6
63	Magnetism and DFT calculations for understanding magnetic ground state of Fe doped Mn <sub>2</sub> O <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2021, 861, 158567.	2.8	8
64	Surface-dependent photocatalytic and biological activities of Ag <sub>2</sub> CrO <sub>4</sub> : Integration of experiment and simulation. <i>Applied Surface Science</i> , 2021, 545, 148964.	3.1	18
65	Correlation of catalytic oxidation and ionic conductivity properties of nanostructured gadolinium-doped ceria. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 266, 115060.	1.7	2
66	Microwave-assisted hydrothermal synthesis of CuWO <sub>4</sub> -palygorskite nanocomposite for enhanced visible photocatalytic response. <i>Journal of Alloys and Compounds</i> , 2021, 863, 158731.	2.8	29
67	Tailoring the photoluminescence of BaMoO <sub>4</sub> and BaWO <sub>4</sub> hierarchical architectures via precipitation induced by a fast precursor injection. <i>Materials Letters</i> , 2021, 293, 129681.	1.3	4
68	Structure, Morphology Features and Photocatalytic Properties of $\hat{\pm}$ -Ag <sub>2</sub> WO <sub>4</sub> Nanocrystals-modified Palygorskite Clay. <i>Journal of Photocatalysis</i> , 2021, 2, 114-129.	0.4	9
69	Structural Refinement, Morphological Features, and Optical, Photo- and Sonophotocatalytic Properties of (Ca <sub>1-x</sub> Sr <sub>x</sub> )WO <sub>4</sub> Synthesized by the Sonochemical Method. <i>Journal of Photocatalysis</i> , 2021, 2, 147-164.	0.4	2
70	PVC-SiO <sub>2</sub> -Ag composite as a powerful biocide and anti-SARS-CoV-2 material. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	15
71	Increasing the photocatalytic and fungicide activities of Ag <sub>3</sub> PO <sub>4</sub> microcrystals under visible-light irradiation. <i>Ceramics International</i> , 2021, 47, 22604-22614.	2.3	13
72	Unveiling the Ag-Bi miscibility at the atomic level: A theoretical insight. <i>Computational Materials Science</i> , 2021, 197, 110612.	1.4	2

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73	Bioactive Ag <sub>3</sub> PO <sub>4</sub> /Polypropylene Composites for Inactivation of SARS-CoV-2 and Other Important Public Health Pathogens. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10866-10875.	1.2	10
74	Hematite rhombuses for chemiresistive ozone sensors: Experimental and theoretical approaches. <i>Applied Surface Science</i> , 2021, 563, 150209.	3.1	8
75	Synthesis of Ag <sub>3</sub> PO <sub>4</sub> /SnO <sub>2</sub> composite photocatalyst for improvements in photocatalytic activity under visible light. <i>Materials Science in Semiconductor Processing</i> , 2021, 135, 106064.	1.9	21
76	Alkali influence on ZnO and Ag-doped ZnO nanostructures formation using the microwave-assisted hydrothermal method for fungicidal inhibition. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 158, 110234.	1.9	9
77	Unraveling the relationship between bulk structure and exposed surfaces and its effect on the electronic structure and photoluminescent properties of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> : A joint experimental and theoretical approach. <i>Materials Research Bulletin</i> , 2021, 143, 111442.	2.7	7
78	Tuning structural, optical, and gas sensing properties of ceria-based materials by rare-earth doping. <i>Journal of Alloys and Compounds</i> , 2021, 888, 161517.	2.8	29
79	Structural, morphological and photoluminescence properties of $\hat{I}^2$ -Ag <sub>2</sub> MoO <sub>4</sub> doped with Eu <sup>3+</sup> . <i>Chemical Papers</i> , 2021, 75, 1869-1882.	1.0	14
80	Towards shape-oriented Bi-doped CoCr <sub>2</sub> O <sub>4</sub> nanoparticles from theoretical and experimental perspectives: structural, morphological, optical, electrical and magnetic properties. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6452-6469.	2.7	29
81	Photoluminescence in Alkaline Earth Stannate Thin Films Grown by Physical and Chemical Methods. <i>Engineering Materials</i> , 2021, , 155-183.	0.3	2
82	Selective Synthesis of $\hat{I}^{\pm}$ , $\hat{I}^2$ , and $\hat{I}^3$ -Ag <sub>2</sub> WO <sub>4</sub> Polymorphs: Promising Platforms for Photocatalytic and Antibacterial Materials. <i>Inorganic Chemistry</i> , 2021, 60, 1062-1079.	1.9	18
83	Unconventional Disorder by Femtosecond Laser Irradiation in Fe <sub>2</sub> O <sub>3</sub> . <i>ACS Omega</i> , 2021, 6, 28049-28062.	1.6	4
84	Behavior of Bi <sub>2</sub> S <sub>3</sub> under ultrasound irradiation for Rhodamine B dye degradation. <i>Chemical Physics Letters</i> , 2021, 785, 139123.	1.2	5
85	Effect of the pH pre-adjustment on the formation of In <sub>2</sub> W <sub>3</sub> O <sub>12</sub> and In <sub>6</sub> W <sub>12</sub> powders: Cluster coordination and optical band gap. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2020, 59, 2-14.	0.9	0
86	Influence of microwave-assisted hydrothermal treatment time on the crystallinity, morphology and optical properties of ZnWO <sub>4</sub> nanoparticles: Photocatalytic activity. <i>Ceramics International</i> , 2020, 46, 1766-1774.	2.3	23
87	Theoretical study of sarin adsorption on (12,0) boron nitride nanotube doped with silicon atoms. <i>Chemical Physics Letters</i> , 2020, 738, 136816.	1.2	9
88	Antifungal activity and biocompatibility of $\hat{I}^{\pm}$ -AgVO <sub>3</sub> microcrystals: A promising material against oral Candida disease. <i>Materials Science and Engineering C</i> , 2020, 108, 110405.	3.8	17
89	Preparation and characterization of hematite nanoparticles-decorated zinc oxide particles (ZnO/Fe <sub>2</sub> O <sub>3</sub> ) as photoelectrodes for solar cell applications. <i>Journal of Materials Science</i> , 2020, 55, 2923-2936.	1.7	17
90	Temperature dependence on phase evolution in the BaTiO <sub>3</sub> polytypes studied using ab initio calculations. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26054.	1.0	23

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91	Connecting theory with experiment to understand the photocatalytic activity of CuO@ZnO heterostructure. <i>Ceramics International</i> , 2020, 46, 9446-9454.	2.3	50
92	Towards a white-emitting phosphor Ca <sub>10</sub> V <sub>6</sub> O <sub>25</sub> based material. <i>Journal of Luminescence</i> , 2020, 220, 116990.	1.5	5
93	Synthesis and characterization of Nd(OH) <sub>3</sub> -ZnO composites for application in photocatalysis and disinfection. <i>Chemical Engineering Journal</i> , 2020, 392, 123737.	6.6	18
94	Experimental and ab Initio Studies of Deep-Bulk Traps in Doped Rare-Earth Oxide Thick Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 997-1007.	1.5	7
95	Influence of PZT insertion on Portland cement curing process and piezoelectric properties of 0-3 cement-based composites by impedance spectroscopy. <i>Construction and Building Materials</i> , 2020, 238, 117675.	3.2	17
96	Synthesis and characterization of Ag <sup>+</sup> and Zn <sup>2+</sup> co-doped CaWO <sub>4</sub> nanoparticles by a fast and facile sonochemical method. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153617.	2.8	28
97	Multi-dimensional architecture of Ag <sub>1-x</sub> Ag <sub>2</sub> WO <sub>4</sub> crystals: insights into microstructural, morphological, and photoluminescence properties. <i>CrystEngComm</i> , 2020, 22, 7903-7917.	1.3	9
98	Structure, electronic properties, morphology evolution, and photocatalytic activity in PbMoO <sub>4</sub> and Pb <sub>1-2x</sub> Ca <sub>x</sub> Sr <sub>x</sub> MoO <sub>4</sub> (x = 0.1, 0.2, 0.3, 0.4 and 0.5) solid solutions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25876-25891.	1.3	12
99	TiO <sub>2</sub> -based dye-sensitized solar cells prepared with bixin and norbixin natural dyes: Effect of 2,2'-bipyridine additive on the current and voltage. <i>Optik</i> , 2020, 218, 165236.	1.4	8
100	Toward Expanding the Optical Response of Ag <sub>2</sub> CrO <sub>4</sub> and Bi <sub>2</sub> O <sub>3</sub> by Their Laser-Mediated Heterojunction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26404-26414.	1.5	2
101	Microwave-assisted solvothermal preparation of Zr-BDC for modification of proton exchange membranes made of SPEEK/PBI blends. <i>Journal of Materials Science</i> , 2020, 55, 14938-14952.	1.7	12
102	Structure, optical properties, and photocatalytic activity of Ag <sub>2</sub> WO <sub>0.75</sub> Mo <sub>0.25</sub> O <sub>4</sub> . <i>Materials Research Bulletin</i> , 2020, 132, 111011.	2.7	8
103	Synthesis of yttrium aluminate doped with Cr <sup>3+</sup> using MgF <sub>2</sub> ·Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> as mineralizers to obtain red pigments for ceramic tiles application. <i>Ceramics International</i> , 2020, 46, 27940-27950.	2.3	7
104	Correlation of photocatalytic activity and defects generated in Ca <sup>2+</sup> -based heterojunctions. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	2
105	Atomistic Perspective on the Intrinsic White-Light Photoluminescence of Rare-Earth Free MgMoO <sub>4</sub> Nanoparticles. <i>Crystal Growth and Design</i> , 2020, 20, 6592-6603.	1.4	13
106	Rational Design of W-Doped Ag <sub>3</sub> PO <sub>4</sub> as an Efficient Antibacterial Agent and Photocatalyst for Organic Pollutant Degradation. <i>ACS Omega</i> , 2020, 5, 23808-23821.	1.6	14
107	Unraveling the relationship between exposed surfaces and the photocatalytic activity of Ag <sub>3</sub> PO <sub>4</sub> : an in-depth theoretical investigation. <i>RSC Advances</i> , 2020, 10, 30640-30649.	1.7	12
108	Ag <sub>3</sub> PO <sub>4</sub> /NiO Composites with Enhanced Photocatalytic Activity under Visible Light. <i>ACS Omega</i> , 2020, 5, 21651-21661.	1.6	34

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109	Structural Refinement, Morphological Features, Optical Properties, and Adsorption Capacity of $\text{I}^{\pm}\text{-Ag}_2\text{WO}_4$ Nanocrystals/SBA-15 Mesoporous on Rhodamine B Dye. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3626-3645.	1.9	9
110	New two-dimensional zinc oxide nanosheets: Properties, stability, and interconversion. <i>Materials Letters</i> , 2020, 275, 128067.	1.3	14
111	Microwave-Driven Hexagonal-to-Monoclinic Transition in $\text{BiPO}_4$ : An In-Depth Experimental Investigation and First-Principles Study. <i>Inorganic Chemistry</i> , 2020, 59, 7453-7468.	1.9	24
112	Unraveling the Photoluminescence Properties of the $\text{Sr}_{10}\text{V}_6\text{O}_{25}$ Structure through Experimental and Theoretical Analyses. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14446-14458.	1.5	3
113	Surface-dependent properties of $\text{I}^{\pm}\text{-Ag}_2\text{WO}_4$ : a joint experimental and theoretical investigation. <i>Theoretical Chemistry Accounts</i> , 2020, 139, 1.	0.5	19
114	Zinc-substituted $\text{Ag}_2\text{CrO}_4$ : A material with enhanced photocatalytic and biological activity. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155315.	2.8	16
115	Electron beam irradiation for the formation of thick Ag film on $\text{Ag}_3\text{PO}_4$ . <i>RSC Advances</i> , 2020, 10, 21745-21753.	1.7	9
116	Enhanced photocatalytic and antifungal activity of hydroxyapatite/ $\text{I}^{\pm}\text{-AgVO}_3$ composites. <i>Materials Chemistry and Physics</i> , 2020, 252, 123294.	2.0	14
117	Novel Approaches of Nanocerium with Magnetic, Photoluminescent, and Gas-Sensing Properties. <i>ACS Omega</i> , 2020, 5, 14879-14889.	1.6	16
118	Charge transfer in Pr-Doped cerium oxide: Experimental and theoretical investigations. <i>Materials Chemistry and Physics</i> , 2020, 249, 122967.	2.0	9
119	Metallic behavior in STO/LAO heterostructures with non-uniformly atomic interfaces. <i>Materials Today Communications</i> , 2020, 24, 101339.	0.9	1
120	Stabilization of the $\text{I}^{\pm}\text{-Ag}_2\text{WO}_4$ metastable pure phase by coprecipitation method using polyvinylpyrrolidone as surfactant: Photocatalytic property. <i>Ceramics International</i> , 2020, 46, 14864-14871.	2.3	14
121	In Vitro Toxic Effect of Biomaterials Coated with Silver Tungstate or Silver Molybdate Microcrystals. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-9.	1.5	6
122	Femtosecond-laser-irradiation-induced structural organization and crystallinity of $\text{Bi}_2\text{WO}_6$ . <i>Scientific Reports</i> , 2020, 10, 4613.	1.6	9
123	Structural characterization, morphology, optical and colorimetric properties of $\text{NiWO}_4$ crystals synthesized by the co-precipitation and polymeric precursor methods. <i>Journal of Molecular Structure</i> , 2020, 1221, 128774.	1.8	22
124	Influence of Synthesis Time on the Morphology and Properties of $\text{CeO}_2$ Nanoparticles: An Experimental and Theoretical Study. <i>Crystal Growth and Design</i> , 2020, 20, 5031-5042.	1.4	22
125	A description of the formation and growth processes of $\text{CaTiO}_3$ mesocrystals: a joint experimental and theoretical approach. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1255-1266.	1.7	5
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