Xiang-Bai Chen

List of Publications by Year
in descending order

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39 papers	659 citations	623734 14 h-index	610901 24 g-index
40 all docs	40 docs citations	40 times ranked	746 citing authors

#	Article	IF	Citations
1	Photoluminescence dynamics in ensembles of wide-band-gap nanocrystallites and powders. Journal of Applied Physics, 2004, 96, 675-682.	2.5	110
2	High photocatalytic activity N-doped Bi2WO6 nanoparticles using a two-step microwave-assisted and hydrothermal synthesis. Journal of Alloys and Compounds, 2018, 744, 228-233.	5.5	60
3	Photocatalytic activity enhancement of Bi2WO6 nanoparticles by Ag doping and Ag nanoparticles modification. Journal of Alloys and Compounds, 2020, 824, 153914.	5.5	60
4	Study of photocatalytic activities of Bi2WO6 nanoparticles synthesized by fast microwave-assisted method. Journal of Alloys and Compounds, 2015, 647, 123-128.	5.5	43
5	Structure-Adjustable Gold Nanoingots with Strong Plasmon Coupling and Magnetic Resonance for Improved Photocatalytic Activity and SERS. ACS Applied Materials & Interfaces, 2020, 12, 38554-38562.	8.0	25
6	Crystal quality and optical property of MnWO4 nanoparticles synthesized by microwave-assisted method. Journal of Physics and Chemistry of Solids, 2013, 74, 426-430.	4.0	21
7	Control of crystal phase of BiVO4 nanoparticles synthesized by microwave assisted method. Journal of Materials Science: Materials in Electronics, 2016, 27, 6452-6456.	2.2	20
8	Raman scattering studies of the magnetic ordering in hexagonal HoMnO₃ thin films. Journal of Raman Spectroscopy, 2010, 41, 983-988.	2.5	19
9	Raman Spectroscopy Analysis of Free Fatty Acid in Olive Oil. Applied Sciences (Switzerland), 2019, 9, 4510.	2.5	17
10	Encapsulation strategies on 2D materials for field effect transistors and photodetectors. Chinese Chemical Letters, 2022, 33, 2281-2290.	9.0	17
11	Study of spin-ordering and spin-reorientation transitions in hexagonal manganites through Raman spectroscopy. Scientific Reports, 2015, 5, 13366.	3.3	16
12	Photocatalytic activity enhancement of Bi2WO6 nanoparticles by Gd-doping via microwave assisted method. Journal of Materials Science: Materials in Electronics, 2017, 28, 12191-12196.	2.2	16
13	Synthesis and characterization of MnWO4 nanoparticles encapsulated in mesoporous silica SBA-15 by fast microwave-assisted method. Journal of Physics and Chemistry of Solids, 2015, 77, 122-125.	4.0	15
14	Gap-Dependent Plasmon Coupling in Au/AgAu Hybrids for Improved SERS Performance. Journal of Physical Chemistry C, 2020, 124, 25473-25479.	3.1	15
15	Raman scattering studies of hexagonal rareâ€earth RMnO₃ (R = Tb, Dy, Ho, Er) thin films. Journal of Raman Spectroscopy, 2011, 42, 1774-1779.	2.5	14
16	Ultraviolet Raman scattering of GaN nanocrystallites: Intrinsic versus collective phenomena. Journal of Applied Physics, 2005, 97, 024302.	2.5	13
17	Resonant A1phonon and four-magnon Raman scattering in hexagonal HoMnO3thin film. New Journal of Physics, 2010, 12, 073046.	2.9	13
18	Defects-induced oxidation of two-dimensional Î²-In2S3 and its optoelectronic properties. Optical Materials, 2021, 119, 111372.	3.6	13

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19	Temperature response and anharmonicity of the optical phonons in GaN nanowires. Journal of Applied Physics, 2005, 98, 026106.	2.5	11
20	Photophysics of GaSe/InSe Nanoparticle Heterojunctionsâ€. Journal of Physical Chemistry B, 2006, 110, 25259-25265.	2.6	11
21	Study of photocatalytic activities of Bi2WO6/BiVO4 nanocomposites. Journal of Sol-Gel Science and Technology, 2017, 83, 640-646.	2.4	11
22	Raman Spectroscopy and 2DCOS Analysis of Unsaturated Fatty Acid in Edible Vegetable Oils. Applied Sciences (Switzerland), 2019, 9, 2807.	2.5	11
23	Chemical vapor deposition growth of nonlayered Î³-In2Se3 nanosheets on SiO2/Si substrates and its photodetector application. Journal of Alloys and Compounds, 2022, 904, 164010.	5.5	11
24	Impact of ultraviolet-laser heating on the photoluminescence of ensembles of GaN microcrystallites. Applied Physics Letters, 2003, 83, 764-766.	3.3	10
25	Spin exchange interactions in hexagonal manganites RMnO3 (Râ€‰=â€‰Tb, Dy, Ho, Er) epitaxial thin films. Applied Physics Letters, 2011, 99, .	3.3	9
26	A Raman Study of the Origin of Oxygen Defects in Hexagonal Manganite Thin Films. Chinese Physics Letters, 2012, 29, 126103.	3.3	9
27	Microwave-assisted synthesis and characterization of Ti1â^'xVxO2 (x=0.0â€“0.10) nanopowders. Materials Letters, 2011, 65, 3047-3050.	2.6	8
28	Raman spectroscopy studies of spin-wave in V₂O₃thin films. Journal Physics D: Applied Physics, 2016, 49, 465304.	2.8	8
29	Raman Spectroscopy Study of Phosphorites Combined with PCA-HCA and OPLS-DA Models. Minerals (Basel, Switzerland), 2019, 9, 578.	2.0	7
30	Correlation between magnon and magnetic symmetries of hexagonal RMnO3 (RÂ=ÂEr, Ho, Lu). Journal of Molecular Structure, 2016, 1124, 103-109.	3.6	6
31	Anomalous Behaviors of Spin Waves Studied by Inelastic Light Scattering. Crystals, 2019, 9, 357.	2.2	6
32	Dual Plasmon Resonances and Tunable Electric Field in Structure-Adjustable Au Nanoflowers for Improved SERS and Photocatalysis. Nanomaterials, 2021, 11, 2176.	4.1	6
33	2D correlation analysis of the magnetic excitations in Raman spectra of HoMnO3. Journal of Molecular Structure, 2014, 1069, 280-283.	3.6	5
34	Raman study of impurity influence on active center in artemisinin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 221, 117206.	3.9	5
35	Spin wave and spin flip in hexagonal LuMnO3 single crystal. Applied Physics Letters, 2017, 110, 122405.	3.3	4
36	Density Functional Theory Calculation and Raman Scattering of the Antihistamine Ebastine. Journal of Applied Spectroscopy, 2020, 87, 608-614.	0.7	4

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37	Enhancement of two-magnon scattering in annealed nickel oxide studied by Raman spectroscopy. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 167201.	0.5	4
38	Localized spinâ€flip excitations in hexagonal HoMnO₃. Journal of Raman Spectroscopy, 2020, 51, 2298-2304.	2.5	3
39	Noninvasive in vivo study of NADH fluorescence and its real-time intrinsic dynamical changes: Experiments and seven-layered skin model Monte Carlo simulations. Journal of Innovative Optical Health Sciences, 2022, 15, .	1.0	2