

Xiang-Bai Chen

List of Publications by Year in descending order

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40
all docs

40
docs citations

40
times ranked

746
citing authors

#	ARTICLE	IF	CITATIONS
1	Encapsulation strategies on 2D materials for field effect transistors and photodetectors. Chinese Chemical Letters, 2022, 33, 2281-2290.	9.0	17
2	Chemical vapor deposition growth of nonlayered In_2Se_3 nanosheets on SiO_2/Si substrates and its photodetector application. Journal of Alloys and Compounds, 2022, 904, 164010.	5.5	11
3	Noninvasive <i>in vivo</i> 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
4	Enhancement of two-magnon scattering in annealed nickel oxide studied by Raman spectroscopy. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 167201.	0.5	4
5	Dual Plasmon Resonances and Tunable Electric Field in Structure-Adjustable Au Nanoflowers for Improved SERS and Photocatalysis. Nanomaterials, 2021, 11, 2176.	4.1	6
6	Defects-induced oxidation of two-dimensional In_2S_3 and its optoelectronic properties. Optical Materials, 2021, 119, 111372.	3.6	13
7	Gap-Dependent Plasmon Coupling in Au/AgAu Hybrids for Improved SERS Performance. Journal of Physical Chemistry C, 2020, 124, 25473-25479.	3.1	15
8	Structure-Adjustable Gold Nanoparticles with Strong Plasmon Coupling and Magnetic Resonance for Improved Photocatalytic Activity and SERS. ACS Applied Materials & Interfaces, 2020, 12, 38554-38562.	8.0	25
9	Localized spin-flip excitations in hexagonal HoMnO_3 . Journal of Raman Spectroscopy, 2020, 51, 2298-2304.	2.5	3
10	Density Functional Theory Calculation and Raman Scattering of the Antihistamine Ebastine. Journal of Applied Spectroscopy, 2020, 87, 608-614.	0.7	4
11	Photocatalytic activity enhancement of Bi_2WO_6 nanoparticles by Ag doping and Ag nanoparticles modification. Journal of Alloys and Compounds, 2020, 824, 153914.	5.5	60
12	Anomalous Behaviors of Spin Waves Studied by Inelastic Light Scattering. Crystals, 2019, 9, 357.	2.2	6
13	Raman Spectroscopy and 2DCOS Analysis of Unsaturated Fatty Acid in Edible Vegetable Oils. Applied Sciences (Switzerland), 2019, 9, 2807.	2.5	11
14	Raman Spectroscopy Study of Phosphorites Combined with PCA-HCA and OPLS-DA Models. Minerals (Basel, Switzerland), 2019, 9, 578.	2.0	7
15	Raman study of impurity influence on active center in artemisinin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 221, 117206.	3.9	5
16	Raman Spectroscopy Analysis of Free Fatty Acid in Olive Oil. Applied Sciences (Switzerland), 2019, 9, 4510.	2.5	17
17	High photocatalytic activity N-doped Bi_2WO_6 nanoparticles using a two-step microwave-assisted and hydrothermal synthesis. Journal of Alloys and Compounds, 2018, 744, 228-233.	5.5	60
18	Photocatalytic activity enhancement of Bi_2WO_6 nanoparticles by Gd-doping via microwave assisted method. Journal of Materials Science: Materials in Electronics, 2017, 28, 12191-12196.	2.2	16

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19	Spin wave and spin flip in hexagonal LuMnO ₃ single crystal. Applied Physics Letters, 2017, 110, 122405.	3.3	4
20	Study of photocatalytic activities of Bi ₂ WO ₆ /BiVO ₄ nanocomposites. Journal of Sol-Gel Science and Technology, 2017, 83, 640-646.	2.4	11
21	Raman spectroscopy studies of spin-wave in V ₂ O ₃ thin films. Journal Physics D: Applied Physics, 2016, 49, 465304.	2.8	8
22	Control of crystal phase of BiVO ₄ nanoparticles synthesized by microwave assisted method. Journal of Materials Science: Materials in Electronics, 2016, 27, 6452-6456.	2.2	20
23	Correlation between magnon and magnetic symmetries of hexagonal RMnO ₃ (R=Er, Ho, Lu). Journal of Molecular Structure, 2016, 1124, 103-109.	3.6	6
24	Study of spin-ordering and spin-reorientation transitions in hexagonal manganites through Raman spectroscopy. Scientific Reports, 2015, 5, 13366.	3.3	16
25	Study of photocatalytic activities of Bi ₂ WO ₆ nanoparticles synthesized by fast microwave-assisted method. Journal of Alloys and Compounds, 2015, 647, 123-128.	5.5	43
26	Synthesis and characterization of MnWO ₄ 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
27	2D correlation analysis of the magnetic excitations in Raman spectra of HoMnO ₃ . Journal of Molecular Structure, 2014, 1069, 280-283.	3.6	5
28	Crystal quality and optical property of MnWO ₄ nanoparticles synthesized by microwave-assisted method. Journal of Physics and Chemistry of Solids, 2013, 74, 426-430.	4.0	21
29	A Raman Study of the Origin of Oxygen Defects in Hexagonal Manganite Thin Films. Chinese Physics Letters, 2012, 29, 126103.	3.3	9
30	Microwave-assisted synthesis and characterization of Ti _{1-x} V _x O ₂ (x=0.0-0.10) nanopowders. Materials Letters, 2011, 65, 3047-3050.	2.6	8
31	Raman scattering studies of hexagonal rare-earth RMnO ₃ (R = Tb, Dy, Ho, Er) thin films. Journal of Raman Spectroscopy, 2011, 42, 1774-1779.	2.5	14
32	Spin exchange interactions in hexagonal manganites RMnO ₃ (R = Tb, Dy, Ho, Er) epitaxial thin films. Applied Physics Letters, 2011, 99, .	3.3	9
33	Raman scattering studies of the magnetic ordering in hexagonal HoMnO ₃ thin films. Journal of Raman Spectroscopy, 2010, 41, 983-988.	2.5	19
34	Resonant A ₁ phonon and four-magnon Raman scattering in hexagonal HoMnO ₃ thin film. New Journal of Physics, 2010, 12, 073046.	2.9	13
35	Photophysics of GaSe/InSe Nanoparticle Heterojunctions. Journal of Physical Chemistry B, 2006, 110, 25259-25265.	2.6	11
36	Temperature response and anharmonicity of the optical phonons in GaN nanowires. Journal of Applied Physics, 2005, 98, 026106.	2.5	11

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37	Ultraviolet Raman scattering of GaN nanocrystallites: Intrinsic versus collective phenomena. Journal of Applied Physics, 2005, 97, 024302.	2.5	13
38	Photoluminescence dynamics in ensembles of wide-band-gap nanocrystallites and powders. Journal of Applied Physics, 2004, 96, 675-682.	2.5	110
39	Impact of ultraviolet-laser heating on the photoluminescence of ensembles of GaN microcrystallites. Applied Physics Letters, 2003, 83, 764-766.	3.3	10