

Thou-Jen Whang

List of Publications by Year in descending order

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47
papers

933
citations

471509

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454955

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47
all docs

47
docs citations

47
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-light photocatalytic degradation of methylene blue with laser-induced Ag/ZnO nanoparticles. Applied Surface Science, 2012, 258, 2796-2801.	6.1	148
2	Nafion membrane-supported ionic liquid "solid phase microextraction for analyzing ultra trace PAHs in water samples. Analytica Chimica Acta, 2006, 557, 321-328.	5.4	127
3	Laser-Induced Silver Nanoparticles on Titanium Oxide for Photocatalytic Degradation of Methylene Blue. International Journal of Molecular Sciences, 2009, 10, 4707-4718.	4.1	75
4	Characterizations for Vinylimidazolium Based Ionic Liquid Polymer Stationary Phases for Capillary Gas Chromatography. Chromatographia, 2008, 67, 413-420.	1.3	69
5	Electrodeposition of PdCu alloy and its application in methanol electro-oxidation. Applied Surface Science, 2013, 270, 252-259.	6.1	44
6	A study of electrodeposition of CuInSe ₂ thin films with triethanolamine as the complexing agent. Applied Surface Science, 2009, 255, 4600-4605.	6.1	42
7	Mechanistic investigation on the electropolymerization of phenol red by cyclic voltammetry and the catalytic reactions toward acetaminophen and dopamine using poly(phenol red)-modified GCE. Journal of Electroanalytical Chemistry, 2017, 795, 130-140.	3.8	32
8	Thermoplasticity and strength improvement of coking coal by addition of coal extracts. Fuel, 2014, 117, 364-371.	6.4	31
9	Optical-optical double resonance spectroscopy of the $1^2P_{1/2} + 1^2S_{1/2}$ states and $1^2P_{3/2}$ states of Na ₂ using an ultrasensitive ionization detector. Physical Review Letters, 1993, 71, 1152-1155.	7.8	29
10	Optical-optical double resonance spectroscopy of the Na ₂ 2^1P_1 state. Journal of Molecular Spectroscopy, 1991, 145, 112-122.	1.2	28
11	Electrodeposition of Palladium-Tin Alloys from 1-Ethyl-3-methylimidazolium Chloride-Tetrafluoroborate Ionic Liquid for Ethanol Electro-Oxidation. Journal of the Electrochemical Society, 2010, 157, D443.	2.9	27
12	Studies of single-step electrodeposition of CuInSe ₂ thin films with sodium citrate as a complexing agent. Applied Surface Science, 2010, 257, 1457-1462.	6.1	26
13	A study of financial insolvency prediction model for life insurers. Expert Systems With Applications, 2009, 36, 6100-6107.	7.6	25
14	The Na ₂ 2^3P_1 state: CW perturbation-facilitated optical-optical double resonance spectroscopy. Journal of Molecular Spectroscopy, 1991, 149, 505-511.	1.2	20
15	Observation of L uncoupling in the 5^1P_1 Rydberg state of Na ₂ . Journal of Chemical Physics, 2005, 123, 224303.	3.0	19
16	UV-Irradiated Photocatalytic Degradation of Nitrobenzene by Titania Binding on Quartz Tube. International Journal of Photoenergy, 2012, 2012, 1-8.	2.5	18
17	Fluorescent oligomers of dibenzothiophene-S,S-dioxide derivatives: the interplay of crystal conformations and photo-physical properties. Tetrahedron, 2012, 68, 5481-5491.	1.9	17
18	Dissociation energy of the ground state of NaH. Journal of Chemical Physics, 2010, 133, 044301.	3.0	16

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19	Doubly excited $2^1\Sigma^+$ state of Na ₂ . Journal of Chemical Physics, 2004, 121, 10513-10518.	3.0	14
20	Lactic acid aided electrochemical deposition of c-axis preferred orientation of zinc oxide thin films: Structural and morphological features. Applied Surface Science, 2011, 257, 9539-9545.	6.1	13
21	Characterization of the outer well of NaH C $1^1\Sigma^+$ state by fluorescence depletion spectroscopy. Chemical Physics Letters, 2010, 493, 53-56.	2.6	9
22	Effects of silicate glasses in aluminum pastes on physical and electrical characteristics of screen-printed multi-crystalline silicon solar cells. Materials Letters, 2014, 126, 143-146.	2.6	9
23	Triethanolamine-facilitated one-step electrodeposition of CuAlSe ₂ thin films and the mechanistic studies utilizing cyclic voltammetry. Journal of Electroanalytical Chemistry, 2016, 762, 73-79.	3.8	9
24	TOXICITY ASSESSMENT OF MONO-SUBSTITUTED BENZENES AND PHENOLS USING A PSEUDOMONAS INITIAL OXYGEN UPTAKE ASSAY. Environmental Toxicology and Chemistry, 2005, 24, 253.	4.3	8
25	Determination of the Cesium $11S_{1/2}$ Hyperfine Magnetic Coupling Constant Using Electromagnetically Induced Transparency. Journal of the Physical Society of Japan, 2012, 81, 124302.	1.6	8
26	Study of the Co-Electrodeposited Pd-Ni Alloy Thin Film and Its Performance on Ethanol Electro-Oxidation. Journal of the Electrochemical Society, 2014, 161, D552-D557.	2.9	7
27	Optical sensing of phenylalanine in urine via extraction with magnetic molecularly imprinted poly(ethylene-co-vinyl alcohol) nanoparticles. Nanotechnology, 2015, 26, 305502.	2.6	7
28	Observation of double-well potential of NaH C $1^1\Sigma^+$ state: Deriving the dissociation energy of its ground state. Journal of Chemical Physics, 2018, 148, 114301.	3.0	7
29	Electrical polymerization of a tetrazole polymer-modified electrode and its catalytic reaction toward dopamine. Applied Surface Science, 2017, 396, 1589-1595.	6.1	6
30	An efficient foam Ni/MnO ₂ /Pd composite cathode for the electrocatalytic degradation of phenol. Materials Chemistry and Physics, 2021, 263, 124401.	4.0	6
31	Pulse Perturbation-Facilitated Optical Double Resonance Spectroscopy of the 4^3F_4 State. Journal of the Chinese Chemical Society, 1998, 45, 23-26.	1.4	5
32	Single-step electrodeposition of CIS thin films with the complexing agent triethanolamine. Applied Surface Science, 2014, 299, 52-57.	6.1	5
33	Spectroscopic determination of the ground-state dissociation energy and isotopic shift of NaD. Journal of Chemical Physics, 2017, 147, 024301.	3.0	5
34	\hat{I} -Doubling investigation of the $51g$ Rydberg state of Na ₂ using optical double resonance spectroscopy. Journal of Molecular Spectroscopy, 2005, 234, 264-269.	1.2	4
35	Fast Thermal Evaporation in Purification of 1,4-di(pyren-1-yl)benzene. Journal of the Chinese Chemical Society, 2012, 59, 289-296.	1.4	4
36	The third and fourth 1^1g states of Na ₂ : A pair of twins. Chemical Physics Letters, 2007, 439, 29-34.	2.6	3

#	ARTICLE	IF	CITATIONS
37	Experimental study of the Na ₂ 31 \hat{g} state. Journal of Molecular Spectroscopy, 2005, 232, 66-72.	1.2	2
38	Observation of the nd \hat{g} (n=6, 7, and 8) Rydberg states of Na ₂ by optical-optical double resonance spectroscopy: L uncoupling and perturbations. Journal of Chemical Physics, 2008, 129, 024303.	3.0	2
39	Development of Screen-Printed Texture-Barrier Paste for Single-Side Texturization of Interdigitated Back-Contact Silicon Solar Cell Applications. Materials, 2013, 6, 4565-4573.	2.9	2
40	Thermoplastic Properties of Coal and Coal Extract. Energy & Fuels, 2017, 31, 11947-11953.	5.1	2
41	Observation of the shallow 2 $\hat{1}$ state of NaH. Journal of Chemical Physics, 2019, 150, 024303.	3.0	2
42	Spectroscopic Study of the B $\hat{1}$ State of NaH. ACS Omega, 2021, 6, 20629-20636.	3.5	1
43	Spectroscopy studies of the B/ ¹ \hat{i} / _u state of Cs/ ₂ . , 0, , .		0
44	Spectroscopy studies of the B/ ¹ \hat{i} / _u state of Cs/ ₂ . , 0, , .		0
45	Observation of the 71 \hat{g} State of Na ₂ by Optical \hat{g} Optical Double Resonance Spectroscopy. Journal of Physical Chemistry A, 2007, 111, 9764-9768.	2.5	0
46	Adiabatic Interaction Leading to the Avoided Crossing between the Twin 31 \hat{g} and 41 \hat{g} Rydberg States in Na ₂ . Journal of Physical Chemistry A, 2009, 113, 4954-4962.	2.5	0
47	The Interplay of Photophysical Properties in Carbazole Fluorescent Oligomers. Journal of the Chinese Chemical Society, 2013, 60, 579-589.	1.4	0