

Jose H Hodak

List of Publications by Year in descending order

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52
papers

3,451
citations

201674

27
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

3951
citing authors

#	ARTICLE	IF	CITATIONS
1	Layer-by-Layer Self-Assembly of Glucose Oxidase with a Poly(allylamine)ferrocene Redox Mediator. <i>Langmuir</i> , 1997, 13, 2708-2716.	3.5	421
2	Laser-Induced Inter-Diffusion in AuAg Core-Shell Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11708-11718.	2.6	324
3	Spectroscopy and Dynamics of Nanometer-Sized Noble Metal Particles. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6958-6967.	2.6	315
4	Photophysics of Nanometer Sized Metal Particles: Electron-Phonon Coupling and Coherent Excitation of Breathing Vibrational Modes. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9954-9965.	2.6	294
5	Size dependent properties of Au particles: Coherent excitation and dephasing of acoustic vibrational modes. <i>Journal of Chemical Physics</i> , 1999, 111, 8613-8621.	3.0	244
6	Electron-phonon coupling dynamics in very small (between 2 and 8 nm diameter) Au nanoparticles. <i>Journal of Chemical Physics</i> , 2000, 112, 5942-5947.	3.0	203
7	Ultrafast study of electron-phonon coupling in colloidal gold particles. <i>Chemical Physics Letters</i> , 1998, 284, 135-141.	2.6	156
8	Observation of acoustic quantum beats in nanometer sized Au particles. <i>Journal of Chemical Physics</i> , 1998, 108, 9210-9213.	3.0	114
9	Effect of Structure on Electron Transfer Reactions between Anthracene Dyes and TiO ₂ Nanoparticles. <i>Journal of Physical Chemistry B</i> , 1998, 102, 9508-9517.	2.6	99
10	pH tunable morphology of the gold nanoparticles produced by citrate reduction. <i>Materials Chemistry and Physics</i> , 2008, 108, 45-54.	4.0	96
11	Docking kinetics and equilibrium of a GAAA tetraloop-receptor motif probed by single-molecule FRET. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10505-10510.	7.1	92
12	Ultrafast study of interfacial electron transfer between 9-anthracene-carboxylate and TiO ₂ semiconductor particles. <i>Journal of Chemical Physics</i> , 1997, 107, 8064-8072.	3.0	89
13	Coherent Excitation of Acoustic Breathing Modes in Bimetallic Core-Shell Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5053-5055.	2.6	86
14	Effect of Water on the Electron Transfer Dynamics of 9-Anthracenecarboxylic Acid Bound to TiO ₂ Nanoparticles: Demonstration of the Marcus Inverted Region. <i>Journal of Physical Chemistry B</i> , 1998, 102, 607-614.	2.6	77
15	Sensitization of TiO ₂ with phthalocyanines. Part 1. Photo-oxidations using hydroxoaluminium tricarboxymonoamidephthalocyanine adsorbed on TiO ₂ . <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 5081-5088.	1.7	69
16	Tuning the spectral and temporal response in PtAu core-shell nanoparticles. <i>Journal of Chemical Physics</i> , 2001, 114, 2760-2765.	3.0	67
17	Metal Ion Dependence, Thermodynamics, and Kinetics for Intramolecular Docking of a GAAA Tetraloop and Receptor Connected by a Flexible Linker. <i>Biochemistry</i> , 2006, 45, 3664-3673.	2.5	50
18	Highly selective sub-10 ppm H ₂ S gas sensors based on Ag-doped CaCu ₃ Ti ₄ O ₁₂ films. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 571-580.	7.8	43

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19	Magnetic properties of Co-ferrite-doped hydroxyapatite nanoparticles having a core/shell structure. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1990-1995.	2.3	42
20	Mechanical strength and hydrophobicity of cotton fabric after plasma treatment. <i>Applied Surface Science</i> , 2010, 256, 5888-5897.	6.1	40
21	Direct Observation of Spatially Heterogeneous Single-Layer Graphene Oxide Reduction Kinetics. <i>Nano Letters</i> , 2013, 13, 5777-5784.	9.1	40
22	Dynamics of Semiconductor-to-Dye Electron Transfer for Anthracene Dyes Bound to Different Sized TiO ₂ Particles. <i>Journal of Physical Chemistry B</i> , 1999, 103, 9104-9111.	2.6	36
23	Monovalent and Divalent Promoted GAAA Tetraloop-Receptor Tertiary Interactions from Freely Diffusing Single-Molecule Studies. <i>Biophysical Journal</i> , 2008, 95, 3892-3905.	0.5	36
24	Direct Observation of Single Layer Graphene Oxide Reduction through Spatially Resolved, Single Sheet Absorption/Emission Microscopy. <i>Nano Letters</i> , 2014, 14, 3172-3179.	9.1	36
25	Enhancement of H ₂ S-sensing performances with Fe-doping in CaCu ₃ Ti ₄ O ₁₂ thin films prepared by a sol-gel method. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 118-127.	7.8	33
26	H ₂ S sensing characteristics of Ni-doped CaCu ₃ Ti ₄ O ₁₂ films synthesized by a sol-gel method. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 877-887.	7.8	31
27	Design of Low Cost Gas Sensor Based on SrTiO ₃ and BaTiO ₃ Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 7236-7238.	0.9	27
28	Spectroscopic signatures of ligand field states in {Ru ^{II} (imine)} complexes. <i>Dalton Transactions</i> , 2016, 45, 5464-5475.	3.3	27
29	Tuning the structure, dimensionality and luminescent properties of lanthanide metal-organic frameworks under ancillary ligand influence. <i>Dalton Transactions</i> , 2016, 45, 646-656.	3.3	27
30	Low temperature solution-phase growth of ZnSe and ZnSe/CdSe core/shell nanowires. <i>Nanoscale</i> , 2011, 3, 3145.	5.6	25
31	Photophysics and spectroscopy of metal particles. <i>Pure and Applied Chemistry</i> , 2000, 72, 189-197.	1.9	23
32	The Role of Counterion Valence and Size in GAAA Tetraloop-Receptor Docking/Undocking Kinetics. <i>Journal of Molecular Biology</i> , 2012, 423, 198-216.	4.2	23
33	Multiphoton Excitation of Upconverting Nanoparticles in Pulsed Regime. <i>Analytical Chemistry</i> , 2016, 88, 1468-1475.	6.5	18
34	Environmental Effect on the Fluorescence Lifetime and Quantum Yield of Single Extended Luminescent Conjugated Polymers. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18681-18688.	3.1	17
35	Electronic Energy Transduction from {Ru(py) ₄ } Chromophores to Cr(III) Luminophores. <i>Inorganic Chemistry</i> , 2018, 57, 3042-3053.	4.0	16
36	Distant ultrafast energy transfer in a trimetallic {Ru-Cr} complex facilitated by hole delocalization. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2882-2893.	2.8	15

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37	Comment on "Optically Induced Damping of the Surface Plasmon Resonance in Gold Colloids", Physical Review Letters, 1999, 82, 3188-3188.	7.8	14
38	A Hole Delocalization Strategy: Photoinduced Mixed-Valence MLCT States Featuring Extended Lifetimes. Inorganic Chemistry, 2019, 58, 10898-10904.	4.0	13
39	Preparation of iron boride "silica core" shell nanoparticles with soft ferromagnetic properties. Nanotechnology, 2008, 19, 085705.	2.6	12
40	Preferentially oriented Fe-doped CaCu ₃ Ti ₄ O ₁₂ films with high dielectric constant and low dielectric loss deposited on LaAlO ₃ and NdGaO ₃ substrates. Applied Surface Science, 2021, 540, 148373.	6.1	12
41	Spectroscopy and Microscopy of Graphene Oxide and Reduced Graphene Oxide. , 2015, , 29-60.		8
42	Controlling the preferential orientation in sol-gel prepared CaCu ₃ Ti ₄ O ₁₂ thin films by LaAlO ₃ and NdGaO ₃ substrates. Applied Surface Science, 2016, 385, 324-332.	6.1	8
43	Four chromophores in one building block: synthesis, structure and characterization of <i>trans</i> -[Ru(MQ) ₄ Cl ₂] ⁴⁺ and <i>trans</i> -[Ru(4,4'-bpy) ₄ Cl ₂] ²⁺ (MQ = N-methyl-4,4'-bipyridinium; Tj ETQ ₁ 1 0.784)	2.2	7
44	Effect of ion induced damage on carrier lifetimes in strained CdZnSe/ZnSe quantum wells. Journal of Applied Physics, 2000, 87, 3063-3067.	2.5	5
45	X-ray sample scanning stage and calibration method suitable for single-molecule detection. Sensors and Actuators B: Chemical, 2010, 150, 239-246.	7.8	4
46	A Micrograting Sensor for DNA Hybridization and Antibody Human Serum Albumin "Antigen Human Serum Albumin Interaction Experiments. Japanese Journal of Applied Physics, 2011, 50, 01BK01.	1.5	4
47	Silicon Quantum Dots Metal-Enhanced Photoluminescence by Gold Nanoparticles in Colloidal Ensembles: Effect of Surface Coating. Journal of Physical Chemistry C, 2018, 122, 26865-26875.	3.1	4
48	Laser-Induced Alloying in Metal Nanoparticles: Controlling Spectral Properties with Light. ACS Symposium Series, 2003, , 106-122.	0.5	3
49	Photosubstitution of Monodentate Ligands from Ru(II)-Dicarboxybipyridine Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 3612-3621.	2.0	2
50	Probing photoinduced electron transfer reactions at semiconductor-liquid interfaces. , 1998, 3273, 24.		1
51	Detecting DNA-DNA Hybridization at 3-Mercaptopropionic Acid Self-Assembled on Tin-Doped Indium Oxide Film with Electrochemical Measurement. Advanced Materials Research, 0, 770, 402-408.	0.3	1
52	Counterion effects on the ultrafast dynamics of charge-transfer-to-solvent electrons. Physical Chemistry Chemical Physics, 2017, 19, 31581-31591.	2.8	1