

Jose H Hodak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/122578/publications.pdf>

Version: 2024-02-01

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	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
2	A Hole Delocalization Strategy: Photoinduced Mixed-Valence MLCT States Featuring Extended Lifetimes. Inorganic Chemistry, 2019, 58, 10898-10904.	4.0	13
3	Electronic Energy Transduction from {Ru(py) ₄ } Chromophores to Cr(III) Luminophores. Inorganic Chemistry, 2018, 57, 3042-3053.	4.0	16
4	Highly selective sub-ppm H ₂ S gas sensors based on Ag-doped CaCu ₃ Ti ₄ O ₁₂ films. Sensors and Actuators B: Chemical, 2018, 260, 571-580.	7.8	43
5	H ₂ S sensing characteristics of Ni-doped CaCu ₃ Ti ₄ O ₁₂ films synthesized by a sol-gel method. Sensors and Actuators B: Chemical, 2018, 260, 877-887.	7.8	31
6	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
7	Distant ultrafast energy transfer in a trimetallic {Ru-Cr} complex facilitated by hole delocalization. Physical Chemistry Chemical Physics, 2017, 19, 2882-2893.	2.8	15
8	Counterion effects on the ultrafast dynamics of charge-transfer-to-solvent electrons. Physical Chemistry Chemical Physics, 2017, 19, 31581-31591.	2.8	1
9	Photosubstitution of Monodentate Ligands from Ru(II)-Dicarboxybipyridine Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 3612-3621.	2.0	2
10	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
11	Spectroscopic signatures of ligand field states in {Ru(II)(imine)} complexes. Dalton Transactions, 2016, 45, 5464-5475.	3.3	27
12	Multiphoton Excitation of Upconverting Nanoparticles in Pulsed Regime. Analytical Chemistry, 2016, 88, 1468-1475.	6.5	18
13	Tuning the structure, dimensionality and luminescent properties of lanthanide metal-organic frameworks under ancillary ligand influence. Dalton Transactions, 2016, 45, 646-656.	3.3	27
14	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. Sensors and Actuators B: Chemical, 2016, 224, 118-127.	7.8	33
15	Spectroscopy and Microscopy of Graphene Oxide and Reduced Graphene Oxide. , 2015, , 29-60.		8
16	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'-bipyridinium ⁺) Tj ETQ 0 0 0 rgBT	2.2	7
17	Direct Observation of Single Layer Graphene Oxide Reduction through Spatially Resolved, Single Sheet Absorption/Emission Microscopy. Nano Letters, 2014, 14, 3172-3179.	9.1	36
18	Direct Observation of Spatially Heterogeneous Single-Layer Graphene Oxide Reduction Kinetics. Nano Letters, 2013, 13, 5777-5784.	9.1	40

#	ARTICLE	IF	CITATIONS
19	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
20	Low temperature solution-phase growth of ZnSe and ZnSe/CdSe core/shell nanowires. <i>Nanoscale</i> , 2011, 3, 3145.	5.6	25
21	A Micrograting Sensor for DNA Hybridization and Antibody Human Serum Albumin- Antigen Human Serum Albumin Interaction Experiments. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01BK01.	1.5	4
22	Mechanical strength and hydrophobicity of cotton fabric after plasma treatment. <i>Applied Surface Science</i> , 2010, 256, 5888-5897.	6.1	40
23	X-ray sample scanning stage and calibration method suitable for single-molecule detection. <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 239-246.	7.8	4
24	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
25	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
26	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
27	pH tunable morphology of the gold nanoparticles produced by citrate reduction. <i>Materials Chemistry and Physics</i> , 2008, 108, 45-54.	4.0	96
28	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
29	Preparation of iron boride-silica core-shell nanoparticles with soft ferromagnetic properties. <i>Nanotechnology</i> , 2008, 19, 085705.	2.6	12
30	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
31	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
32	Laser-Induced Alloying in Metal Nanoparticles: Controlling Spectral Properties with Light. <i>ACS Symposium Series</i> , 2003, , 106-122.	0.5	3
33	Tuning the spectral and temporal response in PtAu core-shell nanoparticles. <i>Journal of Chemical Physics</i> , 2001, 114, 2760-2765.	3.0	67
34	Photophysics and spectroscopy of metal particles. <i>Pure and Applied Chemistry</i> , 2000, 72, 189-197.	1.9	23
35	Effect of ion induced damage on carrier lifetimes in strained CdZnSe/ZnSe quantum wells. <i>Journal of Applied Physics</i> , 2000, 87, 3063-3067.	2.5	5
36	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

#	ARTICLE	IF	CITATIONS
37	Laser-Induced Inter-Diffusion in AuAg Core-Shell Nanoparticles. Journal of Physical Chemistry B, 2000, 104, 11708-11718.	2.6	324
38	Coherent Excitation of Acoustic Breathing Modes in Bimetallic Core-Shell Nanoparticles. Journal of Physical Chemistry B, 2000, 104, 5053-5055.	2.6	86
39	Photophysics of Nanometer Sized Metal Particles: Electron-Phonon Coupling and Coherent Excitation of Breathing Vibrational Modes. Journal of Physical Chemistry B, 2000, 104, 9954-9965.	2.6	294
40	Comment on "Optically Induced Damping of the Surface Plasmon Resonance in Gold Colloids". Physical Review Letters, 1999, 82, 3188-3188.	7.8	14
41	Size dependent properties of Au particles: Coherent excitation and dephasing of acoustic vibrational modes. Journal of Chemical Physics, 1999, 111, 8613-8621.	3.0	244
42	Dynamics of Semiconductor-to-Dye Electron Transfer for Anthracene Dyes Bound to Different Sized TiO ₂ Particles. Journal of Physical Chemistry B, 1999, 103, 9104-9111.	2.6	36
43	Ultrafast study of electron-phonon coupling in colloidal gold particles. Chemical Physics Letters, 1998, 284, 135-141.	2.6	156
44	Spectroscopy and Dynamics of Nanometer-Sized Noble Metal Particles. Journal of Physical Chemistry B, 1998, 102, 6958-6967.	2.6	315
45	Effect of Water on the Electron Transfer Dynamics of 9-Anthracenecarboxylic Acid Bound to TiO ₂ Nanoparticles: Demonstration of the Marcus Inverted Region. Journal of Physical Chemistry B, 1998, 102, 607-614.	2.6	77
46	Effect of Structure on Electron Transfer Reactions between Anthracene Dyes and TiO ₂ Nanoparticles. Journal of Physical Chemistry B, 1998, 102, 9508-9517.	2.6	99
47	<title>Probing photoinduced electron transfer reactions at semiconductor-liquid interfaces</title>. , 1998, 3273, 24.		1
48	Observation of acoustic quantum beats in nanometer sized Au particles. Journal of Chemical Physics, 1998, 108, 9210-9213.	3.0	114
49	Ultrafast study of interfacial electron transfer between 9-anthracene-carboxylate and TiO ₂ semiconductor particles. Journal of Chemical Physics, 1997, 107, 8064-8072.	3.0	89
50	Layer-by-Layer Self-Assembly of Glucose Oxidase with a Poly(allylamine)ferrocene Redox Mediator. Langmuir, 1997, 13, 2708-2716.	3.5	421
51	Sensitization of TiO ₂ with phthalocyanines. Part 1. Photo-oxidations using hydroxoaluminium tricarboxymonoamidephthalocyanine adsorbed on TiO ₂ . Journal of the Chemical Society, Faraday Transactions, 1996, 92, 5081-5088.	1.7	69
52	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