

Genny A Pang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8823946/publications.pdf>

Version: 2024-02-01

22
papers

512
citations

687363

13
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of driver inserts to reduce non-ideal pressure variations behind reflected shock waves. <i>Shock Waves</i> , 2009, 19, 113-123.	1.9	98
2	Three-Dimensional Optoacoustic Monitoring of Lesion Formation in Real Time During Radiofrequency Catheter Ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 339-345.	1.7	50
3	High-Temperature Measurements of the Rate Constants for Reactions of OH with a Series of Large Normal Alkanes: <i>n</i> -Pentane, <i>n</i> -Heptane, and <i>n</i> -Nonane. <i>Zeitschrift Fur Physikalische Chemie</i> , 2011, 225, 1157-1178.	2.8	48
4	Constrained reaction volume approach for studying chemical kinetics behind reflected shock waves. <i>Combustion and Flame</i> , 2013, 160, 1550-1558.	5.2	42
5	Non-contact optoacoustic imaging with focused air-coupled transducers. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	39
6	Rate Constant Measurements for the Overall Reaction of OH + 1-Butanol → Products from 900 to 1200 K. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2475-2483.	2.5	35
7	Photoacoustic Signal Generation in Gold Nanospheres in Aqueous Solution: Signal Generation Enhancement and Particle Diameter Effects. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27646-27656.	3.1	34
8	High-Temperature Rate Constant Determination for the Reaction of OH with <i>iso</i> -Butanol. <i>Journal of Physical Chemistry A</i> , 2012, 116, 4720-4725.	2.5	25
9	Kinetic and Mechanistic Investigation of the Photocatalyzed Surface Reduction of 4-Nitrothiophenol Observed on a Silver Plasmonic Film via Surface-Enhanced Raman Scattering. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21133-21142.	8.0	23
10	Shock Tube Measurements of the <i>tert</i> -Butanol + OH Reaction Rate and the <i>tert</i> -C ₄ H ₈ OH Radical ² Scission Branching Ratio Using Isotopic Labeling. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4777-4784.	2.5	22
11	Shock Tube Measurements of the Rate Constant for the Reaction Ethanol + OH. <i>Journal of Physical Chemistry A</i> , 2014, 118, 822-828.	2.5	21
12	Theoretical and Experimental Study of Photoacoustic Excitation of Silica-Coated Gold Nanospheres in Water. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1088-1098.	3.1	20
13	Real-time monitoring of incision profile during laser surgery using shock wave detection. <i>Journal of Biophotonics</i> , 2015, 8, 102-111.	2.3	15
14	Experimental Determination of the High-Temperature Rate Constant for the Reaction of OH with <i>sec</i> -Butanol. <i>Journal of Physical Chemistry A</i> , 2012, 116, 9607-9613.	2.5	12
15	Exploiting Nonlinear Photoacoustic Signal Generation in Gold Nanospheres for Selective Detection in Serial 3D PA Tomography. <i>Journal of Imaging</i> , 2018, 4, 146.	3.0	10
16	HELIOS/SICRIT/mass spectrometry for analysis of aerosols in engine exhaust. <i>Aerosol Science and Technology</i> , 2021, 55, 886-900.	3.1	8
17	Quenching of nonlinear photoacoustic signal generation in gold nanoparticles through coating. <i>Nanoscale Advances</i> , 2020, 2, 2699-2704.	4.6	4
18	Optoacoustic monitoring of real-time lesion formation during radiofrequency catheter ablation. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
19	Gaseous emissions of a heavy-duty engine fueled with polyoxymethylene dimethyl ethers (OME) in transient cold-start operation and methods for after-treatment system heating. Environmental Science Advances, 2022, 1, 470-482.	2.7	2
20	Three-dimensional tracking of lesion profile during laser surgery based on shock wave detection. Proceedings of SPIE, 2014, , .	0.8	1
21	Non-contact optoacoustic imaging by raster scanning a piezoelectric air-coupled transducer. Proceedings of SPIE, 2016, , .	0.8	1
22	Towards biochemical sensing with gold nanoparticles through suppression of nonlinear photoacoustic signal generation. , 2019, , .		0