

Jianfeng Zhou

List of Publications by Year in descending order

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17
papers

316
citations

840776

11
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888059

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g-index

17
all docs

17
docs citations

17
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface optical reflectance combined with x-ray techniques during gas-surface interactions. Journal Physics D: Applied Physics, 2020, 53, 224001.	2.8	15
2	Combining Planar Laser-Induced Fluorescence with Stagnation Point Flows for Small Single-Crystal Model Catalysts: CO Oxidation on a Pd(100). Catalysts, 2019, 9, 484.	3.5	5
3	Combining high-energy X-ray diffraction with Surface Optical Reflectance and Planar Laser Induced Fluorescence for <i>in operando</i> catalyst surface characterization. Review of Scientific Instruments, 2019, 90, 033703.	1.3	20
4	Mid-Infrared Polarization Spectroscopy Measurements of Species Concentrations and Temperature in a Low-Pressure Flame. Applied Spectroscopy, 2019, 73, 653-664.	2.2	10
5	Combining synchrotron light with laser technology in catalysis research. Journal of Synchrotron Radiation, 2018, 25, 1389-1394.	2.4	9
6	Planar Laser Induced Fluorescence Applied to Catalysis. Springer Series in Chemical Physics, 2017, , 131-149.	0.2	4
7	Simultaneous Imaging of Gas Phase over and Surface Reflectance of a Pd(100) Single Crystal during CO Oxidation. Journal of Physical Chemistry C, 2017, 121, 23511-23519.	3.1	20
8	Novel in Situ Techniques for Studies of Model Catalysts. Accounts of Chemical Research, 2017, 50, 2326-2333.	15.6	39
9	A convenient setup for laser-induced fluorescence imaging of both CO and CO ₂ during catalytic CO oxidation. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	19
10	Strain Dependent Light-off Temperature in Catalysis Revealed by Planar Laser-Induced Fluorescence. ACS Catalysis, 2017, 7, 110-114.	11.2	36
11	Visualization of Gas Distribution in a Model AP-XPS Reactor by PLIF: CO Oxidation over a Pd(100) Catalyst. Catalysts, 2017, 7, 29.	3.5	23
12	Comparison of AP-XPS and PLIF Measurements During CO Oxidation Over Pd Single Crystals. Topics in Catalysis, 2016, 59, 478-486.	2.8	21
13	2D and 3D imaging of the gas phase close to an operating model catalyst by planar laser induced fluorescence. Journal of Physics Condensed Matter, 2016, 28, 453002.	1.8	30
14	Investigation of rovibrational spectra of small hydrocarbons at elevated temperatures using infrared degenerate four-wave mixing. Journal of Raman Spectroscopy, 2016, 47, 1130-1139.	2.5	8
15	Non-intrusive <i>in situ</i> detection of methyl chloride in hot gas flows using infrared degenerate four-wave mixing. Journal of Raman Spectroscopy, 2015, 46, 695-701.	2.5	13
16	Spatially and temporally resolved gas distributions around heterogeneous catalysts using infrared planar laser-induced fluorescence. Nature Communications, 2015, 6, 7076.	12.8	41
17	Non-intrusive detection of methanol in gas phase using infrared degenerate four-wave mixing. Applied Physics B: Lasers and Optics, 2015, 121, 123-130.	2.2	3