

Robert W. Field

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243
papers

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76
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249
ext. papers

8,503
ext. citations

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| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 243 | Vibrational Energy Flow in Highly Excited Molecules: Role of Intramolecular Vibrational Redistribution. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 12735-12756 | | 624 |
| 242 | Molecular orientation and alignment by intense single-cycle THz pulses. <i>Physical Review Letters</i> , 2011 , 107, 163603 | 7.4 | 218 |
| 241 | The electronic structure of the calcium monohalides. A ligand field approach. <i>Journal of Chemical Physics</i> , 1985 , 82, 5023-5034 | 3.9 | 182 |
| 240 | Diatomic Molecule Electronic Structure beyond Simple Molecular Constants. <i>Zeitschrift Fur Elektrochemie Und Elektrochemie</i> , 1982 , 86, 771-779 | | 172 |
| 239 | Stimulated emission spectroscopy: A complete set of vibrational constants for X 1A1 formaldehyde. <i>Journal of Chemical Physics</i> , 1984 , 80, 5968-5978 | 3.9 | 166 |
| 238 | Fluorescence and stimulated emission S1 -S0 spectra of acetylene: Regular and ergodic regions. <i>Journal of Chemical Physics</i> , 1985 , 83, 453-465 | 3.9 | 158 |
| 237 | Rotation-induced vibrational mixing in X 1A1 formaldehyde: Nonnegligible dynamical consequences of rotation. <i>Journal of Chemical Physics</i> , 1985 , 82, 1688-1701 | 3.9 | 145 |
| 236 | Stimulated emission pumping of acetylene: Evidence for quantum chaotic behavior near 27 900 cm ⁻¹ of excitation?. <i>Journal of Chemical Physics</i> , 1984 , 80, 2298-2300 | 3.9 | 137 |
| 235 | Intramolecular vibrational redistribution of energy in the stimulated emission pumping spectrum of acetylene. <i>Journal of Chemical Physics</i> , 1993 , 99, 7350-7370 | 3.9 | 120 |
| 234 | Vibrationally highly excited acetylene as studied by dispersed fluorescence and stimulated emission pumping spectroscopy: Vibrational assignment of the feature states. <i>Journal of Chemical Physics</i> , 1991 , 95, 6330-6342 | 3.9 | 118 |
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| 230 | Evidence of quantum ergodicity in stimulated emission pumping spectra of acetylene. <i>Journal of Chemical Physics</i> , 1985 , 83, 466-475 | 3.9 | 107 |
| 229 | Acetylene at the Threshold of Isomerization. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3073-3086 | 2.8 | 105 |
| 228 | Pure bending dynamics in the acetylene X 1g ⁺ state up to 15 000 cm ⁻¹ of internal energy. <i>Journal of Chemical Physics</i> , 1998 , 109, 121-133 | 3.9 | 100 |
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| 224 | Electronic control of the spin-orbit branching ratio in the photodissociation and predissociation of HCl. <i>Journal of Chemical Physics</i> , 1995 , 103, 6811-6814 | 3.9 | 92 |
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