

Shengrui Yu

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable VUV photochemistry using vacuum ultraviolet free electron laser combined with H-atom Rydberg tagging time-of-flight spectroscopy. Review of Scientific Instruments, 2018, 89, 063113.	1.3	33
2	Photodissociation dynamics of H ₂ O at 111.5 nm by a vacuum ultraviolet free electron laser. Journal of Chemical Physics, 2018, 148, 124301.	3.0	29
3	VUV Photodissociation Dynamics of Nitrous Oxide: The O(¹ S _{J=0}) and O(³ P _{J=2,1,0}) Product Channels. Journal of Physical Chemistry A, 2015, 119, 8090-8096.	2.5	22
4	Competition between Direct and Indirect Dissociation Pathways in Ultraviolet Photodissociation of HNCO. Journal of Physical Chemistry A, 2013, 117, 11673-11678.	2.5	20
5	Observation of the Carbon Elimination Channel in Vacuum Ultraviolet Photodissociation of OCS. Journal of Physical Chemistry Letters, 2019, 10, 4783-4787.	4.6	19
6	VUV Photodissociation Dynamics of Nitrous Oxide: The N(² D _{J=3/2,5/2}) and N(² P _{J=1/2,3/2}) Product Channels. Journal of Physical Chemistry A, 2016, 120, 4966-4972.	2.5	14
7	Photodissociation Dynamics of Nitrous Oxide near 145 nm: The O(¹ S ₀) and O(³ P _{J=2,1,0}) Product Channels. Journal of Physical Chemistry A, 2018, 122, 2663-2669.	2.5	13
8	Vacuum ultraviolet photodissociation dynamics of CO ₂ near 133 nm: The spin-forbidden O(3P _{J=2,1,0}) + CO(X ¹ Σ ⁺) channel. Journal of Chemical Physics, 2019, 151, 214306.	3.0	13
9	State-to-state photodissociation dynamics of CO ₂ around 108 nm: the O(1S) atom channel. Physical Chemistry Chemical Physics, 2020, 22, 6260-6265.	2.8	12
10	Vacuum Ultraviolet Photodissociation Dynamics of Isocyanic Acid: The Hydrogen Elimination Channel. Journal of Physical Chemistry A, 2013, 117, 13564-13571.	2.5	11
11	Photodissociation Dynamics of OCS near 150 nm: The S(¹ S _{J=0}) and S(³ P _{J=2,1,0}) Product Channels. Journal of Physical Chemistry A, 2020, 124, 6420-6426.	2.5	10
12	Photodissociation dynamics of HOD via the B ¹ _f (1 ¹ A ₁) electronic state. Journal of Chemical Physics, 2015, 143, 184302.	3.0	9
13	Vacuum ultraviolet photodissociation dynamics of N ₂ O via the C ¹ ₁ state: The N(2D _{J=5/2, 3/2}) + NO(X ² ₁) product channels. Journal of Chemical Physics, 2018, 149, 104309.	3.0	9
14	Photodissociation dynamics of C ₄ H ₂ at 164.41 nm: Competitive dissociation pathways. Journal of Chemical Physics, 2013, 139, 124307.	3.0	7
15	Vacuum ultraviolet photodissociation dynamics of OCS + <i>hν</i> → CO(¹ Σ ⁺ + ⁺) + S(¹ S ₀) <i>via</i> the E and F Rydberg states. Physical Chemistry Chemical Physics, 2021, 23, 5809-5816.	2.8	7
16	State-to-state differential cross-sections for the reactive scattering of H [*] (n) with o-D ₂ . Chemical Science, 2012, 3, 2839.	7.4	6
17	State-to-state dynamics of the H [*] (n) + HD → D [*] (n) + H ₂ reactive scattering. Journal of Chemical Physics, 2014, 140, 034310.	3.0	6
18	Photodissociation Dynamics of Diacetylene Rydberg States. Journal of Physical Chemistry A, 2015, 119, 11313-11319.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Ultrafast decay dynamics of electronically excited 2-ethylpyrrole. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 17625-17633.	2.8	6
20	Vacuum ultraviolet photodissociation of hydrogen bromide. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15399-15405.	2.8	5
21	Observation of Extremely High Vibrational Excitation in O ₂ from Inelastic Scattering of Rydberg H Atom with O ₂ . <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2420-2424.	4.6	4
22	Photodissociation dynamics of H ₂ O and D ₂ O <i>via</i> the D ₁ (¹ A ₁) electronic state. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 4379-4386.	2.8	4
23	Photodissociation dynamics of CO ₂ + <i>hv</i> → CO(X ¹ Σ ⁺) + O(1D ₂) via the 3P ₁ state. <i>Journal of Chemical Physics</i> , 2022, 156, 054302.	3.0	4
24	State-to-state dynamics of high-n Rydberg H-atom scattering with H ₂ : inelastic scattering and reactive scattering. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9659-9665.	2.8	1
25	Rotational state specific dissociation dynamics of D ₂ O via the C ₁ (010) state: The effect of bending vibrational excitation. <i>Journal of Chemical Physics</i> , 2022, 156, .	3.0	1