

# Hajime Miyamoto

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

58  
citations

1684188

5  
h-index

1588992

8  
g-index

13  
all docs

13  
docs citations

13  
times ranked

52  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical study on the effect of applying an external static electric field on the singlet fission dynamics of pentacene dimer models. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11624-11634.	2.8	0
2	Theoretical Study on Third-Order Nonlinear Optical Properties for One-Hole-Doped Diradicaloids. <i>ACS Omega</i> , 2021, 6, 3046-3059.	3.5	3
3	Stabilization of Charge-Transfer States in Pentacene Crystals and Its Role in Singlet Fission. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2264-2275.	3.1	7
4	Theoretical Study on Singlet Fission Dynamics in Slip-Stack-like Pentacene Ring-Shaped Aggregate Models. <i>Journal of Physical Chemistry A</i> , 2021, 125, 5585-5600.	2.5	2
5	Vibronic coupling density analysis and quantum dynamics simulation for singlet fission in pentacene and its halogenated derivatives. <i>Journal of Chemical Physics</i> , 2020, 153, 134302.	3.0	8
6	Theoretical Study on Singlet Fission Dynamics in Sumanene-Fused Acene Dimers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19499-19507.	3.1	5
7	Theoretical Molecular Design of Phenanthrenes for Singlet Fission by Diazadibora-Substitution. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6778-6789.	2.5	8
8	Quantum design for singlet-fission-induced nonlinear optical systems: Effects of $\pi$ -conjugation length and molecular packing of butterfly-shaped acenes. <i>Journal of Chemical Physics</i> , 2020, 153, 084304.	3.0	8
9	Theoretical Study on Singlet Fission Dynamics in Pentacene Ring-Shaped Aggregate Models with Different Configurations. <i>ChemPhotoChem</i> , 2020, 4, 5234-5234.	3.0	0
10	Theoretical Study of Non-Markov Effects on Singlet Fission Dynamics of Model Pentacene Dimers Using the Second-Order Time-Convolutionless Quantum Master Equation Method. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12220-12229.	3.1	1
11	Molecular Design Principle for Efficient Singlet Fission Based on Diradical Characters and Exchange Integrals: Multiple Heteroatom Substitution Effect on Anthracenes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11800-11809.	3.1	14
12	Theoretical Study on Singlet Fission Dynamics in Pentacene Ring-Shaped Aggregate Models with Different Configurations. <i>ChemPhotoChem</i> , 2020, 4, 5249-5263.	3.0	2