

# Azusa Kikuchi

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

777  
citations

471509

17  
h-index

526287

27  
g-index

37  
all docs

37  
docs citations

37  
times ranked

645  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                                          | IF   | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Definitive Evidence for the Contribution of Biradical Character in a Closed-Shell Molecule, Derivative of 1,4-Bis-(4,5-diphenylimidazol-2-ylidene)cyclohexa-2,5-diene. <i>Journal of the American Chemical Society</i> , 2004, 126, 6526-6527.                                   | 13.7 | 99        |
| 2  | Ultrafast Photodissociation Dynamics of a Hexaarylbiimidazole Derivative with Pyrenyl Groups: Dispersive Reaction from Femtosecond to 10 ns Time Regions. <i>Journal of the American Chemical Society</i> , 2009, 131, 7256-7263.                                                | 13.7 | 81        |
| 3  | A New Family of $\pi$ -Conjugated Delocalized Biradicals: $\pi$ Electronic Structures of 1,4-Bis(2,5-diphenylimidazol-4-ylidene)cyclohexa-2,5-diene. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19448-19453.                                                            | 2.6  | 41        |
| 4  | Ultrafast laser photolysis study on photodissociation dynamics of a hexaarylbiimidazole derivative. <i>Chemical Physics Letters</i> , 2007, 448, 228-231.                                                                                                                        | 2.6  | 39        |
| 5  | Electronic structure of light-induced lophyl radical derived from a novel hexaarylbiimidazole with $\pi$ -conjugated chromophore. <i>Chemical Communications</i> , 2002, , 1484-1485.                                                                                            | 4.1  | 35        |
| 6  | The first isolable pentacoordinate 1,2 lambda 5-azaphosphetine: synthesis, X-ray crystallographic analysis, and dynamic behaviour. <i>Chemical Communications</i> , 2001, , 2096-2097.                                                                                           | 4.1  | 33        |
| 7  | Direct measurements of absolute concentration and lifetime of singlet oxygen in the gas phase by electron paramagnetic resonance. <i>Chemical Physics Letters</i> , 2008, 457, 312-314.                                                                                          | 2.6  | 28        |
| 8  | Photoinduced diffusive mass transfer in o-Cl-HABI amorphous thin films. <i>Chemical Communications</i> , 2010, 46, 2262.                                                                                                                                                         | 4.1  | 27        |
| 9  | Photoexcited States of $\langle \text{sc} \rangle \text{UV} \langle / \text{sc} \rangle$ Absorbers, Benzophenone Derivatives. <i>Photochemistry and Photobiology</i> , 2014, 90, 727-733.                                                                                        | 2.5  | 27        |
| 10 | Optical and Electron Paramagnetic Resonance Studies of the Excited States of 4- <i>tert</i> -Butyl-4- $\text{O}^2$ -Methoxydibenzoylmethane and 4- <i>tert</i> -Butyl-4- $\text{O}^2$ -Methoxydibenzoylpropane. <i>Journal of Physical Chemistry A</i> , 2009, 113, 13492-13497. | 2.5  | 25        |
| 11 | Direct observation of the intermolecular triplet-triplet energy transfer from UV-A absorber 4- <i>tert</i> -butyl-4- $\text{O}^2$ -methoxydibenzoylmethane to UV-B absorber octyl methoxycinnamate. <i>Chemical Physics Letters</i> , 2011, 513, 63-66.                          | 2.6  | 25        |
| 12 | Synthesis and Photochemical Properties of a Photochromic Iron(II) Complex of Hexaarylbiimidazole. <i>Journal of Physical Chemistry A</i> , 2005, 109, 10183-10188.                                                                                                               | 2.5  | 23        |
| 13 | Excited states of menthyl anthranilate: a UV-A absorber. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 246-253.                                                                                                                                                  | 2.9  | 23        |
| 14 | Excited Triplet State of a UV-B Absorber, Octyl Methoxycinnamate. <i>Chemistry Letters</i> , 2010, 39, 633-635.                                                                                                                                                                  | 1.3  | 20        |
| 15 | Photoexcited Singlet and Triplet States of a $\langle \text{sc} \rangle \text{UV} \langle / \text{sc} \rangle$ Absorber Ethylhexyl Methoxycrylene. <i>Photochemistry and Photobiology</i> , 2013, 89, 523-528.                                                                   | 2.5  | 20        |
| 16 | Optical and Time-Resolved Electron Paramagnetic Resonance Studies of the Excited States of a UV-B Absorber (4-Methylbenzylidene)camphor. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1413-1419.                                                                          | 2.5  | 20        |
| 17 | Suppression of riboflavin-sensitized singlet oxygen generation by l-ascorbic acid, 3-O-ethyl-l-ascorbic acid and Trolox. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 191, 116-122.                                                                      | 3.8  | 20        |
| 18 | Photophysical properties of dioctyl 4-methoxybenzylidenemalonate: UV-B absorber. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1528.                                                                                                                             | 2.9  | 17        |

| #  | ARTICLE                                                                                                                                                                                                                                                                                                  | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Optical and electron paramagnetic resonance studies of the excited triplet states of UV-B absorbers: 2-ethylhexyl salicylate and homomenthyl salicylate. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1651-1659.                                                                        | 2.9 | 17        |
| 20 | Photoexcited triplet states of new UV absorbers, cinnamic acid 2-methylphenyl esters. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1902-1909.                                                                                                                                           | 2.9 | 15        |
| 21 | Triplet $\rightarrow$ Triplet Energy Transfer from a $\langle \text{sc} \rangle \text{UV} \langle / \text{sc} \rangle$ Absorber Butylmethoxydibenzoylmethane to $\langle \text{sc} \rangle \text{UV} \langle / \text{sc} \rangle$ Absorbers. <i>Photochemistry and Photobiology</i> , 2014, 90, 511-516. | 2.5 | 15        |
| 22 | Photoexcited triplet states of UV-B absorbers: ethylhexyl triazone and diethylhexylbutamido triazone. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 807-814.                                                                                                                             | 2.9 | 15        |
| 23 | Triplet $\rightarrow$ triplet energy transfer between UV absorbers in solutions at room temperature. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 396-400.                                                                                                                | 3.9 | 15        |
| 24 | Photochromism of a novel hexaarylbiimidazole derivative having azobenzene moieties. <i>Chemical Physics Letters</i> , 2005, 402, 107-110.                                                                                                                                                                | 2.6 | 13        |
| 25 | Crystal Structure of Light-induced Colored Species from Photochromic Dimer of 1,4-Bis(imidazolyl)tetrafluorobenzene. <i>Chemistry Letters</i> , 2005, 34, 1552-1553.                                                                                                                                     | 1.3 | 11        |
| 26 | Photophysical properties of hexyl diethylaminohydroxybenzoylbenzoate (Uvinul A Plus), a UV-A absorber. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1449-1457.                                                                                                                          | 2.9 | 11        |
| 27 | Energy-donor phosphorescence quenching study of triplet $\rightarrow$ triplet energy transfer between UV absorbers. <i>Journal of Luminescence</i> , 2015, 166, 203-208.                                                                                                                                 | 3.1 | 9         |
| 28 | Formation and x-ray crystallographic analysis of a 1,2,7,5-oxaphosphol-5(2H)-one. <i>Heteroatom Chemistry</i> , 2001, 12, 282-286.                                                                                                                                                                       | 0.7 | 8         |
| 29 | Synthesis of Four- and Five-Membered Heterocycles Derived from an Iminophosphorane. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1685-1687.                                                                                                                               | 1.6 | 8         |
| 30 | Molecular alignment and thermal stability of liquid-crystalline phases in binary mixtures of electron donor and acceptor. <i>Journal of Molecular Structure</i> , 2005, 735-736, 375-382.                                                                                                                | 3.6 | 7         |
| 31 | Suppression of menthyl anthranilate (UV-A sunscreen)-sensitized singlet oxygen generation by Trolox and $\alpha$ -tocopherol. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 913-919.                                                                                                     | 2.9 | 7         |
| 32 | Luminescence and Electron Paramagnetic Resonance Studies of the Excited States of a UV Absorber, 2-Methylphenyl 2-Naphthoate. <i>Chemistry Letters</i> , 2009, 38, 770-771.                                                                                                                              | 1.3 | 5         |
| 33 | Photophysical properties of diethylhexyl 2,6-naphthalate (Corapan TQ), a photostabilizer for sunscreens. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1206-1212.                                                                                                                        | 2.9 | 5         |
| 34 | A novel characteristic of salicylate UV absorbers: suppression of diethylhexyl 2,6-naphthalate (Corapan TQ)-photosensitized singlet oxygen generation. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1556-1564.                                                                          | 2.9 | 5         |
| 35 | The phosphorescent triplet states of aza-aromatics and their protonated cations in rigid solutions of ethanol and 1-butyl-3-methylimidazolium hexafluorophosphate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 203, 18-23.                                                    | 3.9 | 4         |
| 36 | Vibrational Coherence of Bis-imidazole Derivative, BDPI-2Y, Observed by Ultrafast Spectroscopy. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 377-382.                                                                                                                                      | 0.9 | 2         |

| #  | ARTICLE                                                                                                                         | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Short-lived and Nonphosphorescent Triplet state of Mexoryl SX, a UV-A Sunscreen. Applied Magnetic Resonance, 2020, 51, 567-580. | 1.2 | 2         |