

Yudai Izumi

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Conformation of myelin basic protein bound to phosphatidylinositol membrane characterized by vacuum-ultraviolet circular-dichroism spectroscopy and molecular-dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1251-1261.	2.6	3
2	Optical Absorption Cross-Section of DNA Bases—Thymine and Guanine—in the Energy Region from 3.1 to 250 eV (5–400 nm). <i>Quantum Beam Science</i> , 2020, 4, 30.	1.2	2
3	Study on Irradiation Effect of Mid-Infrared Free Electron Laser on Hen Egg-White Lysozyme by Using Terahertz-Time Domain Spectroscopy and Synchrotron-Radiation Vacuum-Ultraviolet Circular-Dichroism Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 998-1009.	2.2	2
4	Structural Alterations of Histone Proteins in DNA-Damaged Cells Revealed by Synchrotron Radiation Circular Dichroism Spectroscopy: A New Piece of the DNA-Damage-Response Puzzle. <i>Quantum Beam Science</i> , 2019, 3, 23.	1.2	0
5	STRUCTURAL ANALYSIS OF DNA REPAIR PROTEIN XRCC4 APPLYING CIRCULAR DICHROISM IN AN AQUEOUS SOLUTION. <i>Radiation Protection Dosimetry</i> , 2019, 183, 36-39.	0.8	2
6	Secondary Structures of Histone H3 Proteins with Unmethylated and Methylated Lysine-4 and -9 Residues: Characterization Using Circular Dichroism Spectroscopy. <i>RNA Technologies</i> , 2019, , 479-494.	0.3	0
7	Circular dichroism spectroscopic study on structural alterations of histones induced by post-translational modifications in DNA damage responses: lysine-9 methylation of H3. <i>Journal of Radiation Research</i> , 2018, 59, 108-115.	1.6	21
8	Roles of Hydration for Inducing Decomposition of 2-Deoxy-d-ribose by Ionization of Oxygen K-Shell Electrons. <i>Radiation Research</i> , 2018, 189, 264-272.	1.5	4
9	Structural analysis of lysine-methylated histone H3 proteins using synchrotron radiation circular dichroism spectroscopy. <i>Chirality</i> , 2018, 30, 536-540.	2.6	10
10	Sample Volume Reduction Using the Schwarzschild Objective for a Circular Dichroism Spectrophotometer and an Application to the Structural Analysis of Lysine-36 Trimethylated Histone H3 Protein. <i>Molecules</i> , 2018, 23, 2865.	3.8	3
11	DNA damage response induces structural alterations in histone H3–H4. <i>Journal of Radiation Research</i> , 2017, 58, 59-65.	1.6	17
12	Wide-angle display-type retarding field analyzer with high energy and angular resolutions. <i>Review of Scientific Instruments</i> , 2017, 88, 123106.	1.3	33
13	Structure Change from \hat{I}^2 -Strand and Turn to \hat{I}^{\pm} -Helix in Histone H2A-H2B Induced by DNA Damage Response. <i>Biophysical Journal</i> , 2016, 111, 69-78.	0.5	9
14	Secondary Structure Alterations of Histones H2A and H2B in X-Irradiated Human Cancer Cells: Altered Histones Persist in Cells for at Least 24 Hours. <i>Radiation Research</i> , 2015, 184, 554-558.	1.5	7
15	Low-temperature catalyst activator: mechanism of dense carbon nanotube forest growth studied using synchrotron radiation. <i>IUCr</i> , 2014, 1, 221-227.	2.2	9
16	Soft X-ray Photoemission Study of New BiS ₂ -Layered Superconductor LaO _{1-x} F _x BiS ₂ . <i>Journal of the Physical Society of Japan</i> , 2014, 83, 033703.	1.6	27
17	Electronic and Local Crystal Structures of the ZrNiSn Half-Heusler Thermoelectric Material. <i>Materials Transactions</i> , 2014, 55, 1209-1214.	1.2	25
18	Nitrogen K-edge soft X-ray natural circular dichroism of histidine thin film. <i>Journal of Physics: Conference Series</i> , 2014, 502, 012038.	0.4	2

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19	Length scales in orientational order of vertically aligned single walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2631-2634.	1.5	2
20	High-resolution photoelectron spectroscopy study of degradation of rubber-to-brass adhesion by thermal aging. <i>Applied Surface Science</i> , 2013, 268, 117-123.	6.1	25
21	One-dimensional N ₂ gas inside single-walled carbon nanotubes. <i>Carbon</i> , 2013, 55, 196-201.	10.3	16
22	Angle-Resolved PES Studies on Transition Layers at SiO ₂ /SiC Interfaces. <i>ECS Transactions</i> , 2013, 50, 243-250.	0.5	3
23	Characteristic oxygen <i>K</i> -edge circular dichroism spectra of amino acid films by improved measurement technique. <i>Journal of Chemical Physics</i> , 2013, 138, 074305.	3.0	13
24	Effectiveness of a hot-filament chemical vapor deposition method for preparation of a boron-doped superconducting diamond film with higher superconducting transition temperature. <i>Diamond and Related Materials</i> , 2012, 25, 5-7.	3.9	4
25	Quantum Yields of Decomposition and Homo-Dimerization of Solid L-Alanine Induced by 7.2 eV Vacuum Ultraviolet Light Irradiation: An Estimate of the Half-Life of L-Alanine on the Surface of Space Objects. <i>Origins of Life and Evolution of Biospheres</i> , 2011, 41, 385-395.	1.9	8
26	Radiation-induced chemical evolution of biomolecules. <i>Radiation Physics and Chemistry</i> , 2009, 78, 1198-1201.	2.8	6
27	Measurement and comparison of absolute value of soft X-ray natural circular dichroism of serine and alanine. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012209.	0.4	9
28	Optical oscillator strength distribution of amino acids from 3 to 250eV and examination of the Thomas-Reiche-Kuhn sum rule. <i>Radiation Physics and Chemistry</i> , 2008, 77, 1153-1155.	2.8	16
29	Preservation of homochirality of aspartic acid films irradiated with 8.5eV vacuum ultraviolet light. <i>Radiation Physics and Chemistry</i> , 2008, 77, 1160-1163.	2.8	5