

Associa€Prof Jiro Kondo

List of Publications by Year in descending order

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62
papers

2,141
citations

236612

25
h-index

233125

45
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72
all docs

72
docs citations

72
times ranked

1994
citing authors

#	ARTICLE	IF	CITATIONS
1	Two conformational states in the crystal structure of the Homo sapiens cytoplasmic ribosomal decoding A site. <i>Nucleic Acids Research</i> , 2006, 34, 676-685.	6.5	235
2	A metallo-DNA nanowire with uninterrupted one-dimensional silver array. <i>Nature Chemistry</i> , 2017, 9, 956-960.	6.6	186
3	Structures, physicochemical properties, and applications of Tâ€“Hg^{II}â€“T, Câ€“Ag^Iâ€“C, and other metallo-base-pairs. <i>Chemical Communications</i> , 2015, 51, 17343-17360.	2.2	136
4	Crystal Structure of Metallo DNA Duplex Containing Consecutive Watsonâ€“Crickâ€“like Tâ€“Hg^{II}â€“T Base Pairs. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2385-2388.	7.2	131
5	The structure of metallo-DNA with consecutive thymineâ€“Hglâ€“thymine base pairs explains positive entropy for the metallo base pair formation. <i>Nucleic Acids Research</i> , 2014, 42, 4094-4099.	6.5	106
6	Highâ€“Resolution Crystal Structure of a Silver(I)â€“RNA Hybrid Duplex Containing Watsonâ€“Crickâ€“like C ₂ Silver(I)â€“C Metalloâ€“Base Pairs. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13323-13326.	7.2	88
7	Crystal structure of a NIRâ€“Emitting DNAâ€“Stabilized Ag₁₆ Nanocluster. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17153-17157.	7.2	87
8	A PNPase Dependent CRISPR System in <i>Listeria</i> . <i>PLoS Genetics</i> , 2014, 10, e1004065.	1.5	76
9	Classification of pseudo pairs between nucleotide bases and amino acids by analysis of nucleotideâ€“protein complexes. <i>Nucleic Acids Research</i> , 2011, 39, 8628-8637.	6.5	71
10	Crystal structure of the bacterial ribosomal decoding site complexed with amikacin containing the 3-amino-4-hydroxybutyryl (haba) group. <i>Biochimie</i> , 2006, 88, 1027-1031.	1.3	68
11	Structure Determination of an Ag^I-Mediated Cytosineâ€“Cytosine Base Pair within DNA Duplex in Solution with ^{1</sup>H/^{15</sup>N/^{109</sup>Ag NMR Spectroscopy. <i>Chemistry - A European Journal</i>, 2016, 22, 13028-13031.}}}	1.7	63
12	Differential Selectivity of Natural and Synthetic Aminoglycosides towards the Eukaryotic and Prokaryotic Decoding A Sites. <i>ChemBioChem</i> , 2007, 8, 1700-1709.	1.3	56
13	Structure-Based Design, Synthesis, and A-Site rRNA Cocrystal Complexes of Functionally Novel Aminoglycoside Antibiotics: C ₂ Ether Analogues of Paromomycin. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 2352-2369.	2.9	54
14	Crystal Structure of the Homo sapiens Cytoplasmic Ribosomal Decoding Site Complexed with Apramycin. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3310-3314.	7.2	46
15	The bacterial and mitochondrial ribosomal A-site molecular switches possess different conformational substates. <i>Nucleic Acids Research</i> , 2008, 36, 2654-2666.	6.5	45
16	Structure-based design, synthesis and A-site rRNA co-crystal complexes of novel amphiphilic aminoglycoside antibiotics with new binding modes: A synergistic hydrophobic effect against resistant bacteria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7097-7101.	1.0	40
17	Crystal structure of a DNA duplex containing four Ag(i) ions in consecutive dinuclear Ag(i)-mediated base pairs: 4-thiothymineâ€“2Ag(i)â€“4-thiothymine. <i>Chemical Communications</i> , 2017, 53, 11747-11750.	2.2	37
18	Crystal Structure of the Bacterial Ribosomal Decoding Site Complexed with a Synthetic Doubly Functionalized Paromomycin Derivative: a New Specific Binding Mode to an A-Minor Motif Enhances inâ€“vitro Antibacterial Activity. <i>ChemMedChem</i> , 2007, 2, 1631-1638.	1.6	36

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19	A Novel DNA Helical Wire Containing Hg ^{II} -Mediated T:T and T:G Pairs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16835-16838.	7.2	36
20	Inhibition of Aminoglycoside-Deactivating Enzymes APH(3 ^{IIa}) and AAC(6 ^{II}) by Amphiphilic Paromomycin O ₂ -Ether Analogues. <i>ChemMedChem</i> , 2011, 6, 1961-1966.	1.6	32
21	Crystal structures of a DNA octaplex with I-motif of G-quartets and its splitting into two quadruplexes suggest a folding mechanism of eight tandem repeats. <i>Nucleic Acids Research</i> , 2004, 32, 2541-2549.	6.5	31
22	Identification of the molecular attributes required for aminoglycoside activity against <i>Leishmania</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13333-13338.	3.3	31
23	Crystal structure of d(GCGAAAGCT) containing a parallel-stranded duplex with homo base pairs and an anti-parallel duplex with Watson-Crick base pairs. <i>Nucleic Acids Research</i> , 2002, 30, 5253-5260.	6.5	29
24	Structure of d(GCGAAAGC) (hexagonal form): a base-intercalated duplex as a stable structure. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 90-96.	2.5	24
25	A Structural Basis for the Antibiotic Resistance Conferred by an A1408G Mutation in 16S rRNA and for the Antiprotozoal Activity of Aminoglycosides. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 465-468.	7.2	24
26	Toxicity Modulation, Resistance Enzyme Evasion, and A-Site X-ray Structure of Broad-Spectrum Antibacterial Neomycin Analogs. <i>ACS Chemical Biology</i> , 2014, 9, 2067-2073.	1.6	21
27	Crystal structures of DNA:DNA and DNA:RNA duplexes containing 5-(N-aminoethyl)carbamoyl-modified uracils reveal the basis for properties as antigene and antisense molecules. <i>Nucleic Acids Research</i> , 2007, 35, 1969-1977.	6.5	20
28	Crystal Structure and Specific Binding Mode of Sisomicin to the Bacterial Ribosomal Decoding Site. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 741-744.	1.3	20
29	Effect of microwave radiation on the activity of catalase. decomposition of hydrogen peroxide under microwave and conventional heating. <i>RSC Advances</i> , 2016, 6, 48237-48244.	1.7	20
30	Mutation of position 5 as a crystal engineering tool for a NIR-emitting DNA-stabilized Ag ₁₆ nanocluster. <i>CrystEngComm</i> , 2020, 22, 8136-8141.	1.3	18
31	Base pairs and pseudo pairs observed in RNA-ligand complexes. <i>Journal of Molecular Recognition</i> , 2010, 23, 241-252.	1.1	16
32	Removal of the A ₁₀ adenosine in a DNA-stabilized Ag ₁₆ nanocluster. <i>RSC Advances</i> , 2020, 10, 23854-23860.	1.7	16
33	A structural basis for the antibiotic resistance conferred by an N1-methylation of A1408 in 16S rRNA. <i>Nucleic Acids Research</i> , 2017, 45, 12529-12535.	6.5	15
34	Crystal Structures of a Bioactive 6-Hydroxy Variant of Sisomicin Bound to the Bacterial and Protozoal Ribosomal Decoding Sites. <i>ChemMedChem</i> , 2013, 8, 733-739.	1.6	14
35	Structures of d(GCGAAGC) and d(GCGAAAGC) (tetragonal form): a switching of partners of the sheared G:A pairs to form a functional G:AA-AA-G crossing. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 422-431.	2.5	13
36	A Novel DNA Helical Wire Containing Hg ^{II} -Mediated T:T and T:G Pairs. <i>Angewandte Chemie</i> , 2019, 131, 16991-16994.	1.6	12

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37	Crystal structure of a NIR-Emitting DNA-Stabilized Ag ₁₆ Nanocluster. <i>Angewandte Chemie</i> , 2019, 131, 17313-17317.	1.6	11
38	X-Ray analysis of d(CGCGAATTXGCG) ₂ containing a 2'-deoxy-N ⁴ -methoxycytosine residue at X: a characteristic pattern of sugar puckers in the crystalline state of the Dickerson-Drew type DNA dodecamers. <i>Biophysical Chemistry</i> , 2002, 95, 69-77.	1.5	9
39	X-ray analyses of d(GCGAXAGC) containing G and T at X: the base-intercalated duplex is still stable even in point mutants at the fifth residue. <i>Journal of Synchrotron Radiation</i> , 2004, 11, 117-120.	1.0	9
40	A Novel Ag ₁₁ -DNA Rod Comprising a One-Dimensional Array of 11 Silver Ions within a Double Helical Structure. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	9
41	Patterson-guided ab initio analysis of structures with helical symmetry. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008, 64, 1078-1091.	2.5	8
42	Structure of an A-form RNA duplex obtained by degradation of 6S RNA in a crystallization droplet. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 634-639.	0.7	8
43	Structural insights into the catalytic reaction trigger and inhibition of D-3-hydroxybutyrate dehydrogenase. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 507-515.	0.4	6
44	Effect of cytosine-Ag ⁺ -cytosine base pairing on the redox potential of the Ag ⁺ /Ag couple and the chemical reduction of Ag ⁺ to Ag by tetrathiafulvalene. <i>Dalton Transactions</i> , 2021, 50, 7633-7639.	1.6	5
45	Crystal Structure of d(gcXGAgc) with X = G: a Mutation at X is Possible to Occur in a Base-Intercalated Duplex for Multiplex Formation. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2006, 25, 693-704.	0.4	4
46	DNA Octaplex Formation with an I-Motif of Water-Mediated A-Quartets: Reinterpretation of the Crystal Structure of d(GCGAAAGC). <i>Journal of Biochemistry</i> , 2006, 140, 759-762.	0.9	4
47	The crystal structure of a 2',4'-BNA _{NC} [N ⁶ -Me]-modified antisense gapmer in complex with the target RNA. <i>Chemical Communications</i> , 2016, 52, 2354-2357.	2.2	3
48	Structure-Based Design of a Eukaryote-Selective Antiprotozoal Fluorinated Aminoglycoside. <i>ChemMedChem</i> , 2018, 13, 1541-1548.	1.6	3
49	Structural Bases for the Fitness Cost of the Antibiotic-Resistance and Lethal Mutations at Position 1408 of 16S rRNA. <i>Molecules</i> , 2020, 25, 159.	1.7	3
50	The octaplex structure of d(GCGAGAGC) with I-motif of guanine quartet, controlled by potassium concentration. <i>Nucleic Acids Symposium Series</i> , 2003, 3, 223-224.	0.3	2
51	Crystallographic Studies of the Ribosomal A-Site Molecular Switches by Using Model RNA Oligomers. <i>Methods in Molecular Biology</i> , 2016, 1320, 315-327.	0.4	2
52	The structure of a d(gcGAACgc) duplex containing two consecutive bulged A residues in both strands suggests a molecular switch. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007, 63, 673-681.	2.5	1
53	Crystal structure of a novel RNA motif that allows for precise positioning of a single metal ion. <i>Journal of Inorganic Biochemistry</i> , 2017, 176, 140-143.	1.5	1
54	Conformational adaptation of UNCG loops upon crowding. <i>Rna</i> , 2019, 25, 1522-1531.	1.6	1

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55	InnenrÃ¼cktitelbild: Crystal structure of a NIR-emitting DNA-stabilized Ag ₁₆ Nanocluster (Angew. Chem. 48/2019). Angewandte Chemie, 2019, 131, 17643-17643.	1.6	1
56	Chemical reduction of Ag ⁺ to Ag employing organic electron donors: evaluation of the effect of Ag ⁺ -mediated cytosine-cytosine base pairing on the aggregation of Ag nanoparticles. Dalton Transactions, 2021, 50, 12208-12214.	1.6	1
57	The base-intercalated duplexes of d(GCGAXAGC) with mutation at X (X=G, T or C). Nucleic Acids Symposium Series, 2003, 3, 175-176.	0.3	0
58	Inside Cover: Inhibition of Aminoglycoside-Deactivating Enzymes APH(3)-IIIa and AAC(6)-II by Amphiphilic Paromomycin O ² -Ether Analogues (ChemMedChem 11/2011). ChemMedChem, 2011, 6, 1942-1942.	1.6	0
59	DNA Structural Bio-Nanotechnology. Nihon Kessho Gakkaishi, 2018, 60, 121-128.	0.0	0
60	Crystal structure of a DNA duplex cross-linked by 6-thioguanine-6-thioguanine disulfides: reversible formation and cleavage catalyzed by Cu(II) ions and glutathione. RSC Advances, 2019, 9, 22859-22862.	1.7	0
61	DNA Manufacturing Using Non-Visit Fully Automated Data Collection. Nihon Kessho Gakkaishi, 2021, 63, 224-226.	0.0	0
62	A Novel Ag(I)-DNA Rod Comprising a One-Dimensional Array of 11 Silver Ions within a Double Helical Structure. Angewandte Chemie, 0, , .	1.6	0