

# Ryo Kishida

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

162  
citations

1163117

8  
h-index

1199594

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g-index

20  
all docs

20  
docs citations

20  
times ranked

109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Granular Honeycombs Composed of Carbonate Apatite, Hydroxyapatite, and $\beta$ -Tricalcium Phosphate as Bone Graft Substitutes: Effects of Composition on Bone Formation and Maturation. <i>ACS Applied Bio Materials</i> , 2020, 3, 1787-1795.	4.6	41
2	Honeycomb scaffolds capable of achieving barrier membrane-free guided bone regeneration. <i>Materials Advances</i> , 2021, 2, 7638-7649.	5.4	19
3	First Principles Calculations of Transition Metal Binary Alloys: Phase Stability and Surface Effects. <i>Journal of Electronic Materials</i> , 2017, 46, 3776-3783.	2.2	13
4	Effect of $\text{pH}$ on elementary steps of dopachrome conversion from first-principles calculation. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 734-743.	3.3	10
5	Mechanism of dopachrome tautomerization into 5,6-dihydroxyindole-2-carboxylic acid catalyzed by Cu(II) based on quantum chemical calculations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 281-286.	2.4	10
6	Density Functional Theory-Based First Principles Calculations of Rhododendrol-Quinone Reactions: Preference to Thiol Binding over Cyclization. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 024804.	1.6	9
7	Density Functional Theory-Based Calculation Shed New Light on the Bizarre Addition of Cysteine Thiol to Dopachrome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1373.	4.1	9
8	Effects of carbonate ions in phosphate solution on the fabrication of carbonate apatite through a dissolution-precipitation reaction. <i>Ceramics International</i> , 2022, 48, 1032-1037.	4.8	9
9	Branching Reaction in Melanogenesis: The Effect of Intramolecular Cyclization on Thiol Binding. <i>Journal of Electronic Materials</i> , 2017, 46, 3784-3788.	2.2	7
10	Effects of introduction of $\beta$ -carboxylate, $\text{N}$ -methyl, and $\text{N}$ -formyl groups on intramolecular cyclization of $\alpha$ -quinone amines: Density functional theory-based study. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25445.	2.0	7
11	Fabrication of vaterite blocks from a calcium hydroxide compact. <i>Ceramics International</i> , 2022, 48, 4153-4157.	4.8	7
12	Effects of pore interconnectivity on bone regeneration in carbonate apatite blocks. <i>International Journal of Energy Production and Management</i> , 2022, 9, rbac010.	3.7	7
13	Fabrication of highly interconnected porous carbonate apatite blocks based on the setting reaction of calcium sulfate hemihydrate granules. <i>Ceramics International</i> , 2021, 47, 19856-19863.	4.8	4
14	Cyclic Bond Formation of Rhododendrol-quinone and Dopamine-quinone: Effects of Proton Rearrangement. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 084802.	1.6	3
15	Fabrication and histological evaluation of porous carbonate apatite blocks using disodium hydrogen phosphate crystals as a porogen and phosphatization accelerator. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 1278-1290.	4.0	3
16	Surface Compositions of Pt-Pd/Pd(111) Alloys in the Presence of O and OH during Oxygen Reduction Reaction: A First-Principles Study. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 044802.	1.6	2
17	Melanin Chemistry Explored by Quantum Mechanics. , 2021, , .		2
18	Melanin Chemistry. , 2021, , 1-31.		0

#	ARTICLE	IF	CITATIONS
19	Dopaquinone Conversion and Related Reactions. , 2021, , 51-80.		0
20	Concluding Remarks and Future Perspectives. , 2021, , 81-83.		0