Hiromi Kimura-Suda

List of Publications by Year
in descending order

29	1,837	687363 13	526287 27
papers	citations	h-index	g-index

29	29	29	2428
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Base-Dependent Competitive Adsorption of Single-Stranded DNA on Gold. Journal of the American Chemical Society, 2003, 125, 9014-9015.	13.7	437
2	Quantitative Analysis and Characterization of DNA Immobilized on Gold. Journal of the American Chemical Society, 2003, 125, 5219-5226.	13.7	377
3	Independent control of grafting density and conformation of single-stranded DNA brushes. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9-14.	7.1	204
4	Quantitative Characterization of DNA Films by X-ray Photoelectron Spectroscopy. Langmuir, 2004, 20, 429-440.	3.5	185
5	Nucleobase Orientation and Ordering in Films of Single-Stranded DNA on Gold. Journal of the American Chemical Society, 2006, 128, 2-3.	13.7	153
6	Oligomerization and Pore Formation of a Sphingomyelin-specific Toxin, Lysenin. Journal of Biological Chemistry, 2003, 278, 22762-22770.	3.4	118
7	Alkanethiols on Platinum: Multicomponent Self-Assembled Monolayers. Langmuir, 2006, 22, 2578-2587.	3.5	113
8	Novel non-aggregated unsymmetrical metallophthalocyanines for second-order non-linear optics. Journal of Materials Chemistry, 1997, 7, 861-863.	6.7	59
9	Retention of fetuin-A in renal tubular lumen protects the kidney from nephrocalcinosis in rats. American Journal of Physiology - Renal Physiology, 2013, 304, F751-F760.	2.7	32
10	Magnesium prevents phosphate-induced vascular calcification via TRPM7 and Pit-1 in an aortic tissue culture model. Hypertension Research, 2017, 40, 562-567.	2.7	20
11	Vitamin K-dependent carboxylation of osteocalcin affects the efficacy of teriparatide (PTH1â€“34) for skeletal repair. Bone, 2014, 64, 95-101.	2.9	19
12	Mineral Composition of Phosphate-Induced Calcification in a Rat Aortic Tissue Culture Model. Journal of Atherosclerosis and Thrombosis, 2015, 22, 1197-1206.	2.0	17
13	Bone quality characteristics obtained by Fourier transform infrared and Raman spectroscopic imaging. Journal of Oral Biosciences, 2017, 59, 142-145.	2.2	15
14	Changes in Bone Quality Associated with the Mineralization of New Bone Formed Around Implants - Using XPS, Polarized Microscopy, and FTIR imaging -. Journal of Hard Tissue Biology, 2010, 19, 101-110.	0.4	11
15	Quantitative and Qualitative Analyses of Low-mineral-diet Ovariectomised Rat Femora Using Microscopic Computed Tomography. Journal of Hard Tissue Biology, 2011, 20, 107-114.	0.4	11
16	Studies on bone metabolism by using isotope microscopy, FTIR imaging, and micro-Raman spectroscopy. Journal of Oral Biosciences, 2013, 55, 61-65.	2.2	9
17	Collagen Fiber Orientation in the Femur of Rats with Chronic Kidney Disease. E-Journal of Surface Science and Nanotechnology, 2015, 13, 244-246.	0.4	9
18	Analysis of Collagen Fiber Orientation in Bone of Different Aged Rats Using FTIR Imaging. Molecular Crystals and Liquid Crystals, 2015, 622, 114-119.	0.9	8

#	Article	IF	Citations
19	Simultaneous Determination of Average Direction of Molecular Orientation and Effective Second Order Nonlinear Optical Constant (|dâ€‰eff|) by Phase Measurements of Second Harmonic Generation. Journal of Physical Chemistry B, 2001, 105, 1763-1769.	2.6	7
20	Quick and easy sample preparation without resin embedding for the bone quality assessment of fresh calcified bone using fourier transform infrared imaging. PLoS ONE, 2018, 13, e0189650.	2.5	7
21	Qualitative study of the New Bone formation Surrounding the Ti-implant by FTIR and Polarizing Microscope. Journal of Hard Tissue Biology, 2008, 17, 131-140.	0.4	7
22	Degree of orientations of collagen fibers and bone apatite crystals in rat femora by infrared dichroism imaging. Journal of Oral Biosciences, 2019, 61, 115-119.	2.2	6
23	Characterization and Controlled Properties of DNA Immobilized on Gold Surfaces. Kobunshi Ronbunshu, 2008, 65, 46-57.	0.2	3
24	Analysis of collagen fiber orientation in bone using infrared dichroism imaging in reflectance mode. Molecular Crystals and Liquid Crystals, 2017, 654, 244-248.	0.9	3
25	Comparison of the Efficacy and Renal Safety of Bisphosphonate Between Low-Dose/High-Frequency and High-Dose/Low-Frequency Regimens in a Late-Stage Chronic Kidney Disease Rat Model. Calcified Tissue International, 2020, 107, 389-402.	3.1	3
26	Relationships among collagen fiber orientation, mineralization, mineral maturity, and crystallinity. Molecular Crystals and Liquid Crystals, 2020, 707, 154-160.	0.9	3
27	Effects of risedronate, alendronate, and minodronate alone or in combination with eldecalcitol on bone mineral density, quality, and strength in ovariectomized rats. Bone Reports, 2021, 14, 101061.	0.4	1
28	Anisotropic SHG Behaviors of Tolan Derivatives in Monolayer Assemblies Prepared by Horizontal Lifting Method with Rotation of Substrate. Molecular Crystals and Liquid Crystals, 1999, 337, 81-84.	0.3	0
29	Mineralization and orientation of apatite in rat femur. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2016, 2016.27, C110.	0.0	0