

Stephen D Kinrade

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Silicon-29 NMR studies of aqueous silicate solutions. 1. Chemical shifts and equilibria. <i>Inorganic Chemistry</i> , 1988, 27, 4253-4259.	1.9	127
2	Comment on "Identification of Precursor Species in the Formation of MFI Zeolite in the TPAOH-H ₂ TEOS-H ₂ O System". <i>Journal of Physical Chemistry B</i> , 2002, 106, 3329-3332.	1.2	127
3	Silicon-29 NMR Studies of Tetraalkylammonium Silicate Solutions. 1. Equilibria, ²⁹ Si Chemical Shifts, and ²⁹ Si Relaxation. <i>Inorganic Chemistry</i> , 1998, 37, 4272-4277.	1.9	101
4	The Structure of Silicate Anions in Aqueous Alkaline Solutions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8148-8152.	7.2	94
5	Silicon-29 NMR studies of aqueous silicate solutions. 2. Transverse silicon-29 relaxation and the kinetics and mechanism of silicate polymerization. <i>Inorganic Chemistry</i> , 1988, 27, 4259-4264.	1.9	86
6	Silicon-29 NMR evidence of a transient hexavalent silicon complex in the diatom <i>Navicula pelliculosa</i> . <i>Dalton Transactions RSC</i> , 2002, , 307-309.	2.3	84
7	Effect of alkali-metal cations on the chemistry of aqueous silicate solutions. <i>Inorganic Chemistry</i> , 1992, 31, 4558-4563.	1.9	70
8	Aqueous hypervalent silicon complexes with aliphatic sugar acids. <i>Dalton Transactions RSC</i> , 2001, , 961-963.	2.3	70
9	Do zeolite precursor species really exist in aqueous synthesis media?. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3099.	1.3	64
10	Silicon-29 NMR Studies of Tetraalkylammonium Silicate Solutions. 2. Polymerization Kinetics. <i>Inorganic Chemistry</i> , 1998, 37, 4278-4283.	1.9	60
11	Effects of Saccharide Set Retarders on the Hydration of Ordinary Portland Cement and Pure Tricalcium Silicate. <i>Journal of the American Ceramic Society</i> , 2010, 93, 279-287.	1.9	51
12	Identification of a mammalian silicon transporter. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C550-C561.	2.1	45
13	Non-Functionalized Ultrasmall Silica Nanoparticles Directly and Size-Selectively Activate T Cells. <i>ACS Nano</i> , 2018, 12, 10843-10854.	7.3	39
14	Two substituted cubic octameric silicate cages in aqueous solution. <i>Dalton Transactions RSC</i> , 2002, , 1250-1252.	2.3	34
15	NMR evidence of pentaoxo organosilicon complexes in dilute neutral aqueous silicate solutions. <i>Chemical Communications</i> , 2001, , 1564-1565.	2.2	32
16	Oxygen-17 NMR Study of Aqueous Potassium Silicates. <i>The Journal of Physical Chemistry</i> , 1996, 100, 4760-4764.	2.9	24
17	Silicon-29 NMR evidence of alkoxy substituted aqueous silicate anions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3149-3150.	1.1	19
18	Complexes of pentaoxo and hexaoxo silicon with furanoidic vicinal cis-diols in aqueous solution As presented at the Second Silicon in Agriculture Conference, Tsuruoka, Japan, August 2002.. <i>Dalton Transactions</i> , 2003, , 3713.	1.6	19

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19	Silicon-29 Nuclear Magnetic Resonance Spectroscopy Detection Limits. <i>Analytical Chemistry</i> , 1999, 71, 265-267.	3.2	18
20	The structure of aqueous pentaoxo silicon complexes with cis-1,2-dihydroxycyclopentane and furanoidic vicinal cis-diols. <i>Dalton Transactions</i> , 2004, , 3241.	1.6	17
21	Ultrasmall silica nanoparticles directly ligate the T cell receptor complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 285-291.	3.3	17
22	Adsorption of Amorphous Silica Nanoparticles onto Hydroxyapatite Surfaces Differentially Alters Surfaces Properties and Adhesion of Human Osteoblast Cells. <i>PLoS ONE</i> , 2016, 11, e0144780.	1.1	15
23	Longitudinal ²⁹ Si Nuclear Magnetic Relaxation in Aqueous Alkali-Metal Silicate Solutions Revisited. <i>The Journal of Physical Chemistry</i> , 1996, 100, 18351-18356.	2.9	12
24	The Peroxysilicate Question. ²⁹ Si-NMR Evidence for the Role of Silicates in Alkaline Peroxide Brightening of Mechanical Pulp. <i>Journal of Wood Chemistry and Technology</i> , 1995, 15, 203-222.	0.9	9
25	A sample tube for nmr studies at elevated pressures and temperatures. <i>Journal of Magnetic Resonance</i> , 1988, 77, 569-571.	0.5	7
26	Two-Dimensional Silicon-29/Tin-117 NMR Evidence of Aqueous Stannosilicate Anions. <i>Journal of the American Chemical Society</i> , 1996, 118, 4196-4197.	6.6	7
27	Aqueous Alkali-Metal Silicate Anions Containing Fully Condensed Four-Coordinate Sites. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9900-9903.	7.2	7
28	Silicon Forms a Rich Diversity of Aliphatic Polyol Complexes in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2020, 142, 9188-9202.	6.6	5