

Karl Seff

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Reinvestigation of the Crystal Structure of Dehydrated Sodium Zeolite X. Journal of Physical Chemistry B, 1999, 103, 9512-9518.	2.6	122
2	Crystal Structure of Zeolite X Exchanged with Pb(II) at pH 6.0 and Dehydrated: $\text{Pb}_4^{2+}14(\text{Pb}_2^{2+})_{18}(\text{Pb}_4\text{O}_4)_8\text{Si}_{100}\text{Al}_{92}\text{O}_{384}$. Journal of Physical Chemistry B, 1997, 101, 5314-5318.	2.6	108
3	Structures of cobalt(II)-exchanged zeolite X. Microporous and Mesoporous Materials, 1999, 33, 265-280.	4.4	103
4	Three Crystal Structures of Vacuum-Dehydrated Zeolite X, $\text{M}_{46}\text{Si}_{100}\text{Al}_{92}\text{O}_{384}$, M = Mg^{2+} , Ca^{2+} , and Ba^{2+} . Journal of Physical Chemistry B, 1997, 101, 6914-6920.	2.6	97
5	The octahedral hexasilver molecule. Seven crystal structures of variously vacuum-dehydrated fully silver(1+)-exchanged zeolite A. Journal of the American Chemical Society, 1978, 100, 6989-6997.	13.7	95
6	Single-crystal structures of highly -exchanged, fully deaminated, and fully Tl+-exchanged zeolite Y (FAU, Si/Al=1.56), all fully dehydrated. Microporous and Mesoporous Materials, 2010, 129, 11-21.	4.4	76
7	Single crystal structure of fully dehydrated fully K+-exchanged zeolite Y (FAU), $\text{K}_{71}\text{Si}_{121}\text{Al}_{71}\text{O}_{384}$. Microporous and Mesoporous Materials, 2006, 92, 234-242.	4.4	73
8	Six Single-Crystal Structures Showing the Dehydration, Deamination, Dealumination, and Decomposition of NH_4^+ -Exchanged Zeolite Y (FAU) with Increasing Evacuation Temperature. Identification of a Lewis Acid Site. Journal of Physical Chemistry C, 2007, 111, 18294-18306.	3.1	69
9	Hydrated and dehydrated crystal structures of seven-twelfths cesium-exchanged zeolite A. The Journal of Physical Chemistry, 1975, 79, 2163-2167.	2.9	68
10	Two Anhydrous Zeolite X Crystal Structures, $\text{Cd}_{46}\text{Si}_{100}\text{Al}_{92}\text{O}_{384}$ and $\text{Cd}_{24.5}\text{Ti}_{43}\text{Si}_{100}\text{Al}_{92}\text{O}_{384}$. The Journal of Physical Chemistry, 1996, 100, 13720-13724.	2.9	67
11	Crystal structures of hydrated and dehydrated potassium-exchanged zeolite A. The Journal of Physical Chemistry, 1975, 79, 2157-2162.	2.9	66
12	Crystal Structures of Dehydrated Fully Mn^{2+} -Exchanged Zeolite X and of Its Ethylene Sorption Complex. Journal of Physical Chemistry B, 1997, 101, 9041-9045.	2.6	66
13	Crystal Structures of Fully La^{3+} -Exchanged Zeolite X: $\hat{\text{A}}$ an Intrazeolitic La_2O_3 Continuum, Hexagonal Planar and Trigonal Monocapped Trigonal Prismatic Coordination. Journal of Physical Chemistry B, 2000, 104, 2224-2236.	2.6	64
14	Partial Structures of Fully Dehydrated $\text{Ni}_{30}\text{Na}_7\text{Cl}_{12}\text{Si}_{137}\text{Al}_{55}\text{O}_{384}$ (Solid-State Nickel(II)-Exchanged) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Chemistry B, 1998, 102, 2688-2695.	2.6	63
15	Hydronium Ions in Zeolites. 1. Structures of Partially and Fully Dehydrated $\text{Na}_3\text{H}_3\text{O}^+\text{X}$ by X-ray and Neutron Diffraction. Journal of Physical Chemistry B, 1999, 103, 10365-10372.	2.6	62
16	Structure of Dehydrated Zn^{2+} -Exchanged Zeolite X. Overexchange, Framework Dealumination and Reorganization, Stoichiometric Retention of Monomeric Tetrahedral Aluminate. Journal of Physical Chemistry B, 1999, 103, 5631-5636.	2.6	61
17	Spatially Ordered Quantum Dot Array of Indium Nanoclusters in Fully Indium-Exchanged Zeolite X. Journal of Physical Chemistry B, 2003, 107, 1120-1128.	2.6	60
18	Crystal Structure of a Benzene Sorption Complex of Dehydrated Fully Ca^{2+} -Exchanged Zeolite X. Journal of Physical Chemistry B, 1998, 102, 6071-6077.	2.6	59

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19	Crystal Structures of the Ethylene and Acetylene Sorption Complexes of Fully Ca ²⁺ -Exchanged Zeolite X. <i>Journal of Physical Chemistry B</i> , 1997, 101, 3091-3096.	2.6	58
20	Cation Crowding in Zeolites. Reinvestigation of the Crystal Structure of Dehydrated Potassium-Exchanged Zeolite X. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8946-8951.	2.6	58
21	Disproportionation of an Element in a Zeolite. I. Crystal Structure of a Sulfur Sorption Complex of Dehydrated, Fully Cd ²⁺ -Exchanged Zeolite X. Synthesis of Tetrahedral S ⁴⁺ and S ²⁺ , Two New Polyatomic Cations of Sulfur. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3117-3123.	2.6	57
22	Structure of the tetrahedral sodium Na ⁵⁺ cluster in zeolite X. <i>The Journal of Physical Chemistry</i> , 1993, 97, 12663-12664.	2.9	56
23	Crystal Structures of Vacuum-Dehydrated Ni ²⁺ -Exchanged Zeolite Y (FAU, Si/Al = 1.69) Containing Three-Coordinate Ni ²⁺ , Ni ₈ O ₄ ·xH ₂ O ⁸⁺ , Near Cubic Ni ₄ O ₄ Cores, and H ⁺ . <i>Journal of Physical Chemistry C</i> , 2009, 113, 5164-5181.	3.1	56
24	Reaction of dehydrated Na12-A with cesium. Synthesis and crystal structure of fully dehydrated, fully cesium ion-exchanged zeolite A. <i>Journal of the American Chemical Society</i> , 1987, 109, 7986-7992.	13.7	54
25	Crystal structure of fully dehydrated fully Tl ⁺ -exchanged zeolite X. <i>Zeolites</i> , 1997, 18, 325-333.	0.5	54
26	Single crystal structure of fully dehydrated fully Tl ⁺ -exchanged zeolite Y, α -[Si ₁₂ Al ₇ O ₃₈]-FAU. <i>Microporous and Mesoporous Materials</i> , 2006, 94, 313-319.	4.4	54
27	Crystal Structure of a Zinc Sorption Complex of Cd ²⁺ -Exchanged Zeolite X Containing Tetrahedral Cd ₄ ($\frac{1}{3}$ ZnO ₂ +ZnO) ₄ Clusters. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6493-6497.	2.6	53
28	Two Crystal Structures of Fully Dehydrated, Fully Ag ⁺ -Exchanged Zeolite X. Dehydration in Oxygen Prevents Ag ⁺ -Reduction. Without Oxygen, Ag ₈ ⁿ⁺ (Td) and cyclo-Ag ₄ ^{m+} (nearS ₄) Form. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6938-6945.	2.6	53
29	Crystallographic Verification that Copper(II) Coordinates to Four of the Oxygen Atoms of Zeolite 6-Rings. Two Single-Crystal Structures of Fully Dehydrated, Largely Cu ²⁺ -Exchanged Zeolite Y (FAU, Si/Al = 1.56). <i>Journal of Physical Chemistry C</i> , 2012, 116, 963-974.	3.1	52
30	Crystal Structures of Fully Indium-Exchanged Zeolite X. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8372-8381.	2.6	51
31	Crystal structure of an ammonia sorption complex of dehydrated fully Ca ²⁺ -exchanged zeolite X. <i>Microporous and Mesoporous Materials</i> , 1999, 28, 173-183.	4.4	50
32	Cationic zinc clusters with mean formula in the sodalite cavities of zeolite Y (FAU). <i>Microporous and Mesoporous Materials</i> , 2005, 85, 351-354.	4.4	50
33	Framework Sites Preferred by Aluminum in Zeolite ZSM-5. Structure of a Fully Dehydrated, Fully Cs ⁺ -Exchanged ZSM-5 Crystal (MFI, Si/Al = 24). <i>Journal of Physical Chemistry C</i> , 2011, 115, 24823-24838.	3.1	50
34	Further crystallographic confirmation that Cs ⁺ ions can occupy sodalite cavities and double six-rings. Crystal structure of fully dehydrated partially Cs ⁺ -exchanged zeolite X, β -[Si ₁₀ Al ₉ O ₃₈]-FAU. <i>Microporous and Mesoporous Materials</i> , 2004, 71, 65-75.	4.4	49
35	A near zero coordinate sodium ion in dehydrated zeolite 4A, Na12-A. <i>The Journal of Physical Chemistry</i> , 1977, 81, 2249-2251.	2.9	48
36	Crystal Structure of an Ethylene Sorption Complex of Cd ²⁺ -Exchanged Zeolite X, Cd ₄₆ Si ₁₀₀ Al ₉₂ O ₃₈₄ ·29.5C ₂ H ₄ . <i>Journal of Physical Chemistry B</i> , 1997, 101, 2138-2142.	2.6	48

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37	Crystal structure of Mn ₄₆ Si ₁₀₀ Al ₉₂ O ₃₈₄ ·89H ₂ S, a hydrogen sulfide sorption complex of fully dehydrated Mn ²⁺ -exchanged zeolite X. <i>Microporous and Mesoporous Materials</i> , 2003, 63, 21-31.	4.4	47
38	Zn ²⁺ Cations, Probable Tl ₄ Zn ₁₂ and Tl ₆ Clusters, and Zeolite Desilication (Less Likely Dealumination): A Crystallographic Study of the Incomplete Reaction of Zn Vapor with Tl ⁺ -Exchanged Zeolite X. <i>Journal of Physical Chemistry B</i> , 2000, 104, 515-525.	2.6	46
39	Crystal Structure of a Mesitylene Sorption Complex of Dehydrated Fully Ca ²⁺ -Exchanged Zeolite X. Sorbed Mesitylene Appears to be Significantly Nonplanar. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5827-5832.	2.6	46
40	Tetrahydroxytetraindium(III) Nanoclusters, In ₄ (OH) ₄ ⁸⁺ , in Air-Oxidized Fully In-Exchanged Zeolite Y (FAU, Si/Al = 1.69). Preparation and Crystal Structures of In ³⁺ Y and In ³⁺ Y[In ₄ (OH) ₄]. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15741-15754.	3.1	46
41	Crystal Structure of Partially Pd ²⁺ -Exchanged Zeolite X Dehydrated in Oxygen at 400 °C. Formation of Linear Pd ₂ O ₃ Clusters Proposed To Be HO ⁺ PdIV ⁺ O ⁺ PdIV ⁺ OH in (Pd ²⁺) ₁₄ (HOPdOPdOH ₄) ₈ (Na ⁺) ₃₂ ·Si ₁₀₀ Al ₉₂ O ₃₈₄ . <i>Journal of Physical Chemistry B</i> , 2000, 104, 2490-2494.	2.6	45
42	The Pentagallium Cation in Zeolite Y. Preparation and Crystal Structure of Ga ₄₂ Tl _{9.3} ·Si ₁₂₁ Al ₇₁ O ₃₈₄ Containing Ga ₅ ⁷⁺ , Ga ⁺ , Ga ²⁺ , Ga ³⁺ , and Tl ⁺ . <i>Journal of Physical Chemistry C</i> , 2011, 115, 2750-2760.	3.1	45
43	Single-Crystal Structures of Fully and Partially Dehydrated Zeolite Y (FAU, Si/Al = 1.56) Ni ²⁺ Exchanged at a Low pH, 4.9. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13985-13996.	3.1	45
44	Crystal structures of cyclopropane complexes of cobalt(II) and manganese(II) in partially exchanged zeolite A. <i>Journal of the American Chemical Society</i> , 1978, 100, 6997-7003.	13.7	44
45	Crystal Structure of a Sodium Sorption Complex of Zeolite X Containing Linear Na ₃₂ Clusters. <i>Journal of Physical Chemistry B</i> , 1997, 101, 9022-9026.	2.6	39
46	Li ⁺ Exchange into Zeolite Na ⁺ Y (FAU) from Aqueous Methanol. Single-Crystal Structures of Fully Dehydrated Li, Na ⁺ Y. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9009-9018.	3.1	39
47	Crystal structure of a carbon monoxide sorption complex of dehydrated fully manganese(II)-exchanged zeolite X. <i>Microporous and Mesoporous Materials</i> , 1998, 26, 101-107.	4.4	37
48	Structure of a cyclopropane sorption complex of dehydrated fully Mn ²⁺ -exchanged zeolite X. <i>Microporous and Mesoporous Materials</i> , 2000, 40, 247-255.	4.4	37
49	Disproportionation of an Element in a Zeolite. II. Crystal Structure of an Iodine Sorption Complex of Dehydrated Fully Cd ²⁺ -Exchanged Zeolite X Containing n-I ₅ -as I ³⁺ and Square cyclo-I ₄ ²⁺ . <i>Journal of Physical Chemistry B</i> , 2003, 107, 10709-10714.	2.6	37
50	Crystal structures of the NO and NO ₂ sorption complexes of fully dehydrated fully Mn ²⁺ -exchanged zeolite X (FAU). <i>Microporous and Mesoporous Materials</i> , 2006, 93, 12-22.	4.4	37
51	Cadmium(I) and dicadmium(I). Crystal structures of cadmium(II)-exchanged zeolite A evacuated at 500 °C and of its cadmium sorption complex. <i>Journal of the American Chemical Society</i> , 1979, 101, 5235-5239.	13.7	35
52	Crystal Structure of Anhydrous NH ₄ ⁺ -Exchanged Zeolite X Partially Reacted with HgCl ₂ Vapor. Cationic Chloromercuric Clusters, Regular Octahedral Hg(II), and Regular Trigonal Hg(II). <i>Journal of Physical Chemistry B</i> , 1999, 103, 10409-10416.	2.6	35
53	Crystal Structure of a Cadmium Sorption Complex of Dehydrated Fully Cd ²⁺ -Exchanged Zeolite X Containing Cd ²⁺ , Cd ⁺ , and Cd ⁰ . <i>Journal of Physical Chemistry B</i> , 2002, 106, 7569-7573.	2.6	35
54	Weak Ag ⁺ ·Ag ⁺ bonding in zeolite X. Crystal structures of Ag ₉₂ Si ₁₀₀ Al ₉₂ O ₃₈₄ hydrated and fully dehydrated in flowing oxygen. <i>Microporous and Mesoporous Materials</i> , 2000, 41, 49-59.	4.4	34

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55	A Cationic Rubidium Continuum in Zeolite X. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11162-11167.	2.6	34
56	Crystal Structure of Indium-Exchanged Zeolite A Containing Sorbed Disulfur. <i>Journal of Physical Chemistry B</i> , 1998, 102, 17-23.	2.6	33
57	Crystal Structures of Fully Dehydrated Cd(II)-Exchanged Zeolite A and of Its Cadmium Sorption Complex Containing Cd ²⁺ , Cd ⁺ , Cd ₂ ²⁺ , and Cd ₂ O. <i>The Journal of Physical Chemistry</i> , 1994, 98, 3796-3800.	2.9	32
58	Reaction of Fully Indium-Exchanged Zeolite A with Hydrogen Sulfide. Crystal Structures of Indium-Exchanged Zeolite A Containing In ₂ S, InSH, Sorbed H ₂ S, and (In ₅) ⁷⁺ . <i>Journal of Physical Chemistry B</i> , 2002, 106, 4578-4587.	2.6	31
59	Introducing copper ions into zeolite Y by the thallos ion exchange method: single crystal structure of [Cu _{21.6} Tl _{39.2}][Si ₁₂₁ Al ₇₁ O ₃₈₄] ⁴⁻ FAU. <i>Journal of Porous Materials</i> , 2014, 21, 321-330.	2.6	29
60	Crystallographic Study of the Reaction of Zinc Vapor with Fully Cd ²⁺ -Exchanged Zeolite X. Complete Reduction of Cd ²⁺ by Zn, Extraction of SiO ₄ ⁴⁻ and AlO ₄ ⁵⁻ from the Zeolite Framework, and Reduction of Si ⁴⁺ to Si. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9811-9816.	2.6	28
61	The crystal structure of dehydrated fully silver(1+) ion-exchanged zeolite A reduced by hydrogen and reoxidized by oxygen, both at 330.degree.C. The loss of long range order and its subsequent return. <i>The Journal of Physical Chemistry</i> , 1978, 82, 921-924.	2.9	26
62	MOLECULES OF COPPER(II)-SPARTEINE DINITRATE ARE MIXED FOUR- AND FIVE-COORDINATE IN ONE CRYSTALLINE PHASE AND ONLY FOUR-COORDINATE IN ANOTHER. <i>Journal of Coordination Chemistry</i> , 1995, 34, 241-252.	2.2	26
63	Detailed Determination of the Tl ⁺ Positions in Zeolite Tl ⁺ ZSM-5. Single-Crystal Structures of Fully Dehydrated Tl ⁺ ZSM-5 and H ⁺ ZSM-5 (MFI, Si/Al = 29). Additional Evidence for a Nonrandom Distribution of Framework Aluminum. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19937-19956.	3.1	25
64	Failure of ion exchange into zeolites A and X from four diverse nonaqueous solvents. <i>Zeolites</i> , 1995, 15, 377-381.	0.5	24
65	Crystal Structure of a Hydrogen Sulfide Sorption Complex of Dehydrated Partially Cobalt(II)-Exchanged Zeolite A. <i>The Journal of Physical Chemistry</i> , 1996, 100, 8373-8377.	2.9	24
66	Some chemical treatments diminish the long-range ordering in the aluminosilicate framework of zeolite X. <i>Microporous and Mesoporous Materials</i> , 2001, 42, 299-306.	4.4	22
67	Crystal structure of a hydrogen sulfide sorption complex of fully Ca ²⁺ -exchanged zeolite X. <i>Microporous and Mesoporous Materials</i> , 1998, 23, 33-44.	4.4	19
68	Synthesis and Crystal Structure of Ag ₄ Nanoclusters in the Sodalite Cavities of Fully K ⁺ -Exchanged Zeolite A. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3168-3173.	2.6	18
69	A General Method for the Ion Exchange of Zeolites Utilizing the Volatility of Thallos Compounds as Leaving Products. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13295-13299.	3.1	18
70	Surprising Intrazeolitic Chemistry of Silver. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5277-5287.	3.1	18
71	Preparation and structure of fully caesium exchanged zeolite A and of the linear (Cs ₄) ³⁺ cation. <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 1225.	2.0	16
72	Encapsulating Photoluminescent Materials in Zeolites. II. Crystal Structure of Fully Dehydrated Ce ₂₁ H ₄₆ O ₁₈ ·Y (Si/Al = 1.69) Containing Ce ₄ O ₄ ⁴⁺ , CeOH ₂ ²⁺ , Ce ³⁺ , and H ⁺ . <i>Journal of Physical Chemistry C</i> , 2015, 119, 24501-24511.	3.1	16

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73	Quantum Dots of [Na ₄ Cs ₆ PbBr ₄] ⁸⁺ , Water Stable in Zeolite X, Luminesce Sharply in the Green. <i>Advanced Materials</i> , 2020, 32, e2001868.	21.0	14
74	Crystal structure of a hydrogen sulfide sorption complex of zeolite LTA. <i>Zeolites</i> , 1996, 17, 495-500.	0.5	13
75	Ronneburgite, K ₂ MnV ₄ O ₁₂ , a new mineral from Ronneburg, Thuringia, Germany: Description and crystal structure. <i>American Mineralogist</i> , 2001, 86, 1081-1086.	1.9	13
76	Encapsulating Photoluminescent Materials in Zeolites. Crystal Structure of Fully Dehydrated Zeolite Y (Si/Al = 1.69) Containing Eu ³⁺ . <i>Journal of Physical Chemistry C</i> , 2014, 118, 11014-11025.	3.1	13
77	Exchange of a Tetrapositive Cation into a Zeolite and a New Inorganic Scintillator. I. Crystal Structures and Scintillation Properties of Anhydrous Zr _{1.7} Tl _{5.4} Cl _{1.7} "LTA and Zr _{2.1} Tl _{1.6} Cl _{3.0} "LTA. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18326-18339.	3.1	13
78	Structures of the Subnanometer Clusters of Cadmium Sulfide Encapsulated in Zeolite Y: Cd ₄ S ₆ and Cd(SHCd) ₄ ⁶⁺ . <i>Journal of Physical Chemistry C</i> , 2016, 120, 16722-16731.	3.1	13
79	Using the Thallous Ion Exchange Method to Exchange Tin into High Alumina Zeolites. 1. Crystal Structure of Sn ²⁺ _{5.3} Sn ⁴⁺ _{0.8} Cl ⁺ _{1.8} [Si ₁₂ Al ₁₂]. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3244-3252.	3.1	12
80	Crystal structure of Zn ₄ Na(OH) ₆ SO ₄ Cl·6H ₂ O. <i>Journal of Chemical Crystallography</i> , 1997, 27, 325-329.	1.1	11
81	Comment on "Synthesis of Fully Dehydrated Fully Zn ²⁺ -Exchanged Zeolite Y and Its Crystal Structure Determined by Pulsed-Neutron Diffraction". Cationic Zinc Clusters Formally Containing Zn(I) in the Sodalite Cavities of Zeolite Y (FAU). <i>Journal of Physical Chemistry B</i> , 2005, 109, 13840-13841.	2.6	11
82	Crystal Structures of Encapsulates within Zeolites. 2. Argon in Zeolite A. <i>The Journal of Physical Chemistry</i> , 1996, 100, 13725-13731.	2.9	10
83	Structure of a cyclopropane sorption complex of dehydrated fully Cd ²⁺ -exchanged zeolite A. <i>Microporous and Mesoporous Materials</i> , 2000, 41, 61-68.	4.4	10
84	First Successful Application of the Thallous Ion Exchange (TIE) Method. Preparation of Fully Indium-Exchanged Zeolite Y (FAU, Si/Al = 1.69). <i>Journal of Physical Chemistry C</i> , 2014, 118, 24655-24661.	3.1	10
85	Progress toward Zeolite-Based Self-Luminous Sensors for Radioactive Isotopes such as ²⁰¹ Tl and ¹³⁷ Cs: Structures and Luminescence of Hf,Cl,Tl-A and Hf,Cl,Cs,Na-A. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19619-19633.	3.1	9
86	Encapsulating Luminescent Materials in Zeolites. III. Crystal Structure and Scintillation Properties of Cs,Na-LTA Treated with Zirconium Chloride Vapor. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18682-18693.	3.1	7
87	Disproportionation of an Element in a Zeolite. III. Crystal Structure of a High-Temperature Sulfur Sorption Complex of Zeolite LTA Containing Two New Ions: Perthiosulfite, S ₄ ²⁻ , and the Trisulfur Cation, S ₃ ²⁺ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 28133-28141.	3.1	7
88	Crystal structure of a hydrogen sulfide sorption complex of anhydrous Mn ²⁺ -exchanged zeolite Y (FAU, Si/Al = 1.56). <i>Microporous and Mesoporous Materials</i> , 2019, 279, 432-438.	4.4	7
89	Verification of linear Na ₃₂ ⁺ clusters in zeolite X. <i>Microporous and Mesoporous Materials</i> , 2001, 46, 111-113.	4.4	6
90	Single Crystal Structure of Zeolite A (LTA) Containing Ag ₄ Cl ₄ Nanoclusters and Reduced 1,3,5-Tripyrylium Dimers with Remarkably Short 2.43 Å... Interplanar Spacings. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11181-11193.	3.1	6

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91	The dependence of Co ²⁺ -exchange into zeolite FAU on its Si/Al ratio. <i>Journal of Porous Materials</i> , 2014, 21, 869-882.	2.6	6
92	Preparation, Crystal Structure, and Luminescence Properties of Zeolite LTA Containing Extraframework Tantalum(V), Tantalum(III), Thallium(I), and Chloride. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12139-12148.	3.1	6
93	Exchanging noble and seminoble cations into zeolites by oxygen vacancy ion exchange (OVIE). <i>Microporous and Mesoporous Materials</i> , 2017, 244, 47-49.	4.4	4
94	The Pentatin Cation in Zeolite Y: Thallous Ion Exchange and Crystal Structure of [Sn ₃₆ Cl ₁₁] [Si ₁₂₈ Al ₆₄ O ₃₈₄]-FAU Containing Sn ⁵⁺ , Sn ²⁺ , and Sn ³⁺ . <i>Journal of Physical Chemistry C</i> , 2017, 121, 471-480.	3.1	4
95	Using Crystallography and NMR to Count the Number of Three-Aluminum Six-Rings in Fully Zn ²⁺ -Exchanged Zeolite Y. These Six-Rings Concentrate at Single Six-Ring Positions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 583-592.	3.1	4
96	Four Crystal Structures of Ba _{12-2x} Na _{2x} A (1 ≤ x ≤ 6) Relating to the Instability of Barium-Exchanged Zeolite A Toward Dehydration. <i>ACS Symposium Series</i> , 1980, , 137-153.	0.5	3
97	Structure of a cyclohexane sorption complex of partially dehydrated, fully Mn ²⁺ -exchanged zeolite Y (FAU, Si/Al = 1.56). <i>Microporous and Mesoporous Materials</i> , 2018, 264, 139-146.	4.4	3
98	Crystal structure and X-ray luminescence of zeolite Y (Si/Al = 1.69) containing extraframework hafnium(IV). <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109552.	4.4	3
99	Water Molecules in Zeolite Y Enhance the Photoluminescent Properties of Its Cesium Lead Bromide Quantum Dots, Na ₄ Cs ₆ PbBr ₄₈ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 5904-5918.	3.1	3
100	Cesium Vapor Reacts with K ⁺ -Exchanged Zeolite A To Give Fully Cs ⁺ -Exchanged Zeolite A Containing (Cs ₄) ₃ Clusters. <i>ACS Symposium Series</i> , 1988, , 177-193.	0.5	2
101	DOING CHEMISTRY IN A ONE-NANOMETER TEST TUBE (IN A ZEOLITE). <i>Comments on Inorganic Chemistry</i> , 2007, 28, 173-179.	5.2	2
102	Preparation, crystal structure, and luminescence of zeolite Ta,Cl,Cs,Na-A containing a cubic Cs ₁₁ TaCl ₆ 10 ⁺ continuum. <i>Journal of Porous Materials</i> , 2017, 24, 1117-1128.	2.6	2
103	Crystal Structure of Zeolite LTA Containing Extraframework Tungsten(VI) Ions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6661-6668.	3.1	2
104	Structure and luminescence of extraframework TiCl ₆ ²⁻ in Cs ⁺ -containing zeolite LTA. <i>Journal of Porous Materials</i> , 2019, 26, 1079-1089.	2.6	2
105	Identification and structures of the X-ray induced luminescence centers in the zeolites Zr,X,Cs,Na-LTA, X = Cl, Br, and I. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 443-454.	4.4	2
106	Crystal and molecular structure of a diradical, 1,3-dinitro-4,6-di[3-(2,2,5,5-tetramethyl)-pyrrolidinyl-N-oxide]aminobenzene monohydrate. <i>Journal of Crystal and Molecular Structure</i> , 1976, 6, 87-100.	0.4	1
107	Crystal Structure and Luminescence of Sn,I,Cs,Na ⁺ -Y, a Lead-Free Zeolite Containing Tetrahedrally Distorted Cubes of Sn ₄ I ₄ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 15696-15710.	3.1	0