Jeffrey D Rimer

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#	Paper	IF	Citations
121	CRYSTAL GROWTH. Crystallization by particle attachment in synthetic, biogenic, and geologic environments. <i>Science</i> , 2015 , 349, aaa6760	33.3	1035
120	In situ imaging of silicalite-1 surface growth reveals the mechanism of crystallization. <i>Science</i> , 2014 , 344, 729-32	33.3	247
119	Crystal growth inhibitors for the prevention of L-cystine kidney stones through molecular design. <i>Science</i> , 2010 , 330, 337-341	33.3	179
118	Structure of the Silica Phase Extracted from Silica/(TPA)OH Solutions Containing Nanoparticles. Journal of Physical Chemistry B, 2003 , 107, 10006-10016	3.4	153
117	SSZ-13 Crystallization by Particle Attachment and Deterministic Pathways to Crystal Size Control. Journal of the American Chemical Society, 2015 , 137, 13007-17	16.4	144
116	Controlling crystal polymorphism in organic-free synthesis of Na-zeolites. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2641-52	16.4	131
115	Spontaneous Formation of Silica Nanoparticles in Basic Solutions of Small Tetraalkylammonium Cations. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 12271-12275	3.4	130
114	Physical basis for the formation and stability of silica nanoparticles in basic solutions of monovalent cations. <i>Langmuir</i> , 2005 , 21, 8960-71	4	116
113	Molecular modifiers reveal a mechanism of pathological crystal growth inhibition. <i>Nature</i> , 2016 , 536, 446-50	50.4	107
112	Epitaxial Growth of ZSM-5@Silicalite-1: A Core-Shell Zeolite Designed with Passivated Surface Acidity. <i>ACS Nano</i> , 2015 , 9, 4006-16	16.7	102
111	Kinetic and Thermodynamic Studies of Silica Nanoparticle Dissolution. <i>Chemistry of Materials</i> , 2007 , 19, 4189-4197	9.6	94
110	Mechanisms of hematin crystallization and inhibition by the antimalarial drug chloroquine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4946-51	11.5	93
109	A facile strategy to design zeolite L crystals with tunable morphology and surface architecture. Journal of the American Chemical Society, 2013 , 135, 6608-17	16.4	93
108	Specificity of growth inhibitors and their cooperative effects in calcium oxalate monohydrate crystallization. <i>Journal of the American Chemical Society</i> , 2014 , 136, 367-76	16.4	80
107	Evolution of self-assembled silica-tetrapropylammonium nanoparticles at elevated temperatures. Journal of Physical Chemistry B, 2005 , 109, 12762-71	3.4	80
106	Engineering Crystal Modifiers: Bridging Classical and Nonclassical Crystallization. <i>Chemistry of Materials</i> , 2016 , 28, 8453-8465	9.6	74
105	Implications of methanol disproportionation on catalyst lifetime for methanol-to-olefins conversion by HSSZ-13. <i>Journal of Catalysis</i> , 2017 , 346, 154-160	7.3	71

104	Synthesis of zeolites in the absence of organic structure-directing agents: factors governing crystal selection and polymorphism. <i>Reviews in Chemical Engineering</i> , 2014 , 30, 1-49	5	71	
103	Tailoring silicalite-1 crystal morphology with molecular modifiers. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3345-9	16.4	69	
102	Silica self-assembly and synthesis of microporous and mesoporous silicates. <i>Chemistry - A European Journal</i> , 2006 , 12, 2926-34	4.8	69	
101	Computational Assessment of the Dominant Factors Governing the Mechanism of Methanol Dehydration over H-ZSM-5 with Heterogeneous Aluminum Distribution. <i>ACS Catalysis</i> , 2016 , 6, 2287-22	29 ¹ 8 ^{3.1}	68	
100	Nucleation of FAU and LTA Zeolites from Heterogeneous Aluminosilicate Precursors. <i>Chemistry of Materials</i> , 2016 , 28, 4906-4916	9.6	62	
99	Periodic, vdW-corrected density functional theory investigation of the effect of Al siting in H-ZSM-5 on chemisorption properties and site-specific acidity. <i>Catalysis Communications</i> , 2014 , 52, 98-102	3.2	60	
98	Antimalarials inhibit hematin crystallization by unique drug-surface site interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7531-7536	11.5	56	
97	Natural promoters of calcium oxalate monohydrate crystallization. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12648-57	16.4	49	
96	Assembly and Evolution of Amorphous Precursors in Zeolite L Crystallization. <i>Chemistry of Materials</i> , 2016 , 28, 1714-1727	9.6	48	
95	Transient modes of zeolite surface growth from 3D gel-like islands to 2D single layers. <i>Nature Communications</i> , 2018 , 9, 2129	17.4	48	
94	Finned zeolite catalysts. <i>Nature Materials</i> , 2020 , 19, 1074-1080	27	45	
93	Nanoscale Control of Homoepitaxial Growth on a Two-Dimensional Zeolite. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 535-539	16.4	42	
92	Organic-Free Synthesis of a Highly Siliceous Faujasite Zeolite with Spatially Biased Q (nAl) Si Speciation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13366-13371	16.4	42	
91	Calcium oxalate monohydrate aggregation induced by aggregation of desialylated Tamm-Horsfall protein. <i>Urological Research</i> , 2011 , 39, 269-82		41	
90	Sweep flocculation and adsorption of viruses on aluminum flocs during electrochemical treatment prior to surface water microfiltration. <i>Environmental Science & Environmental Science & Environmental</i>	10.3	40	
89	Framework stabilization of Si-rich LTA zeolite prepared in organic-free media. <i>Chemical Communications</i> , 2015 , 51, 269-72	5.8	38	
88	Ultrasmall Zeolite L Crystals Prepared from Highly Interdispersed Alkali-Silicate Precursors. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11283-11288	16.4	38	
87	The role of macromolecules in the formation of kidney stones. <i>Urolithiasis</i> , 2017 , 45, 57-74	3.2	35	

86	Nucleation of open framework materials: Navigating the voids. MRS Bulletin, 2016, 41, 393-398	3.2	35
85	Cooperative effects of inorganic and organic structure-directing agents in ZSM-5 crystallization. <i>Molecular Systems Design and Engineering</i> , 2018 , 3, 159-170	4.6	35
84	Deconvoluting the Competing Effects of Zeolite Framework Topology and Diffusion Path Length on Methanol to Hydrocarbons Reaction. <i>ACS Catalysis</i> , 2018 , 8, 11042-11053	13.1	35
83	High-throughput platform for design and screening of peptides as inhibitors of calcium oxalate monohydrate crystallization. <i>Journal of Crystal Growth</i> , 2013 , 373, 13-19	1.6	31
82	Diverse Physical States of Amorphous Precursors in Zeolite Synthesis. <i>Industrial & amp; Engineering Chemistry Research</i> , 2018 , 57, 8460-8471	3.9	29
81	Impact of acid site speciation and spatial gradients on zeolite catalysis. <i>Journal of Catalysis</i> , 2020 , 391, 56-68	7.3	28
80	Self-assembly and phase behavior of germanium oxide nanoparticles in basic aqueous solutions. <i>Langmuir</i> , 2007 , 23, 2784-91	4	27
79	Factors Governing MgO(111) Faceting in the Thermal Decomposition of Oxide Precursors. <i>Chemistry of Materials</i> , 2018 , 30, 2641-2650	9.6	25
78	Crystal Engineering for Catalysis. Annual Review of Chemical and Biomolecular Engineering, 2018, 9, 283	-3309	25
77	Molecular Mechanisms of Hematin Crystallization from Organic Solvent. <i>Crystal Growth and Design</i> , 2015 , 15, 5535-5542	3.5	24
76	Thermodynamics of Silica Nanoparticle Self-Assembly in Basic Solutions of Monovalent Cations. Journal of Physical Chemistry C, 2008 , 112, 14754-14761	3.8	24
75	Effects of diffusional constraints on lifetime and selectivity in methanol-to-olefins catalysis on HSAPO-34. <i>Journal of Catalysis</i> , 2019 , 369, 122-132	7.3	24
74	Enhanced Surface Activity of MWW Zeolite Nanosheets Prepared via a One-Step Synthesis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8211-8222	16.4	24
73	Silver-Promoted Dehydroaromatization of Ethylene over ZSM-5 Catalysts. <i>ChemCatChem</i> , 2017 , 9, 1675	5- <u>46</u> 82	23
72	Designed Peptoids as Tunable Modifiers of Zeolite Crystallization. <i>Chemistry of Materials</i> , 2017 , 29, 953	699540	5 22
71	Molecular Modifiers Suppress Nonclassical Pathways of Zeolite Crystallization. <i>Chemistry of Materials</i> , 2019 , 31, 3228-3238	9.6	22
70	Hematin crystallization from aqueous and organic solvents. <i>Journal of Chemical Physics</i> , 2013 , 139, 121	93.19	22
69	Organic-Free Interzeolite Transformation in the Absence of Common Building Units. <i>Chemistry - A European Journal</i> , 2019 , 25, 5893-5898	4.8	21

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68	Organic-Free Synthesis of a Highly Siliceous Faujasite Zeolite with Spatially Biased Q4(nAl) Si Speciation. <i>Angewandte Chemie</i> , 2017 , 129, 13551-13556	3.6	20
67	Crystallization of Mordenite Platelets using Cooperative Organic Structure-Directing Agents. Journal of the American Chemical Society, 2019 , 141, 20155-20165	16.4	20
66	Enhanced Selective Oxidation of Ammonia in a Pt/Al2O3@Cu/ZSM-5 CoreBhell Catalyst. <i>ACS Catalysis</i> , 2020 , 10, 3604-3617	13.1	19
65	Optimized Synthesis of ZSM-11 Catalysts using 1,8-Diaminooctane as a Structure-Directing Agent. <i>ChemPhysChem</i> , 2018 , 19, 529-537	3.2	19
64	Identifying alkali metal inhibitors of crystal growth: a selection criterion based on ion pair hydration energy. <i>Chemical Communications</i> , 2015 , 51, 13964-7	5.8	18
63	Antagonistic cooperativity between crystal growth modifiers. <i>Nature</i> , 2020 , 577, 497-501	50.4	17
62	Tuning Zeolite Precursor Interactions by Switching the Valence of Polyamine Modifiers. <i>Langmuir</i> , 2016 , 32, 11888-11898	4	17
61	Factors Differentiating the Effectiveness of Polyprotic Acids as Inhibitors of Calcium Oxalate Crystallization in Kidney Stone Disease. <i>Crystal Growth and Design</i> , 2018 , 18, 5617-5627	3.5	17
60	Regulating Nonclassical Pathways of Silicalite-1 Crystallization through Controlled Evolution of Amorphous Precursors. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15712-15716	16.4	16
59	Nanoscale Control of Homoepitaxial Growth on a Two-Dimensional Zeolite. <i>Angewandte Chemie</i> , 2017 , 129, 550-554	3.6	15
58	Hydroxycitrate: a potential new therapy for calcium urolithiasis. <i>Urolithiasis</i> , 2019 , 47, 311-320	3.2	15
57	Synthesis Strategies for Ultrastable Zeolite GIS Polymorphs as Sorbents for Selective Separations. <i>Chemistry - A European Journal</i> , 2016 , 22, 16078-16088	4.8	15
56	Molecular modifiers of kidney stones. Current Opinion in Nephrology and Hypertension, 2017, 26, 256-26.	53.5	14
55	Growth of Large Hematin Crystals in Biomimetic Solutions. <i>Crystal Growth and Design</i> , 2014 , 14, 2123-27	13.75	14
54	Elucidating the Effects of Polyprotic Acid Speciation in Calcium Oxalate Crystallization. <i>Crystal Growth and Design</i> , 2017 , 17, 4280-4288	3.5	14
53	Tailoring Silicalite-1 Crystal Morphology with Molecular Modifiers. <i>Angewandte Chemie</i> , 2012 , 124, 3401	<i>-</i> 3€05	14
52	Ethylene Dehydroaromatization over Ga-ZSM-5 Catalysts: Nature and Role of Gallium Speciation. Angewandte Chemie - International Edition, 2020 , 59, 19592-19601	16.4	14
51	In situ imaging of two-dimensional surface growth reveals the prevalence and role of defects in zeolite crystallization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 2020 117 28632-28639	11.5	13

50	Spontaneous Pillaring of Pentasil Zeolites. Advanced Materials, 2021, 33, e2100897	24	13
49	Seed-Assisted zeolite synthesis: The impact of seeding conditions and interzeolite transformations on crystal structure and morphology. <i>Microporous and Mesoporous Materials</i> , 2020 , 300, 110174	5.3	12
48	Inorganic ions regulate amorphous-to-crystal shape preservation in biomineralization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3360-3362	11.5	12
47	Regulating Nonclassical Pathways of Silicalite-1 Crystallization through Controlled Evolution of Amorphous Precursors. <i>Angewandte Chemie</i> , 2019 , 131, 15859-15863	3.6	12
46	Time-Resolved Dynamics of Intracrystalline Mesoporosity Generation in USY Zeolite. <i>Chemistry of Materials</i> , 2019 , 31, 5005-5013	9.6	11
45	Lipid or aqueous medium for hematin crystallization?. CrystEngComm, 2015, 17, 7790-7800	3.3	11
44	A microfluidic approach for probing hydrodynamic effects in barite scale formation. <i>Lab on A Chip</i> , 2019 , 19, 1534-1544	7.2	10
43	Early Onset of Kinetic Roughening due to a Finite Step Width in Hematin Crystallization. <i>Physical Review Letters</i> , 2017 , 119, 198101	7.4	10
42	A high-throughput assay for screening modifiers of calcium oxalate crystallization. <i>AICHE Journal</i> , 2016 , 62, 3538-3546	3.6	10
41	Citrate therapy for calcium phosphate stones. <i>Current Opinion in Nephrology and Hypertension</i> , 2019 , 28, 130-139	3.5	10
40	Synthesis of NiO Crystals Exposing Stable High-Index Facets. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15119-15123	16.4	10
39	Deconstructing Quinoline-Class Antimalarials to Identify Fundamental Physicochemical Properties of Beta-Hematin Crystal Growth Inhibitors. <i>Chemistry - A European Journal</i> , 2017 , 23, 13638-13647	4.8	8
38	Strontium Ions Function as Both an Accelerant and Structure-Directing Agent of Chabazite Crystallization 2021 , 3, 187-192		8
37	Time-Resolved Dynamics of Struvite Crystallization: Insights from the Macroscopic to Molecular Scale. <i>Chemistry - A European Journal</i> , 2020 , 26, 3555-3563	4.8	8
36	Tracking Zeolite Crystallization by Elemental Mapping. <i>Chemistry of Materials</i> , 2020 , 32, 3278-3287	9.6	7
35	Deleterious effects of non-framework Al species on the catalytic performance of ZSM-5 crystals synthesized at low temperature. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 1957-1968	4.9	7
34	Biomimetic Assay for Hematin Crystallization Inhibitors: A New Platform To Screen Antimalarial Drugs. <i>Crystal Growth and Design</i> , 2017 , 17, 197-206	3.5	7
33	Engaging a Battle on Two Fronts: Dual Role of Polyphosphates as Potent Inhibitors of Struvite Nucleation and Crystal Growth. <i>Chemistry of Materials</i> , 2020 , 32, 8672-8682	9.6	7

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A second mechanism employed by artemisinins to suppress Plasmodium falciparum hinges on inhibition of hematin crystallization. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100123	5.4	7
Time-resolved dissolution elucidates the mechanism of zeolite MFI crystallization. <i>Science Advances</i> , 2021 , 7,	14.3	6
Structuring of Organic Solvents at Solid Interfaces and Ramifications for Antimalarial Adsorption on EHematin Crystals. <i>ACS Applied Materials & Description on Action Crystals.</i> 10, 29288-29298	9.5	5
Ultrasmall Zeolite L Crystals Prepared from Highly Interdispersed Alkali-Silicate Precursors. <i>Angewandte Chemie</i> , 2018 , 130, 11453-11458	3.6	4
Bridging the Gap between Structurally Distinct 2D Lamellar Zeolitic Precursors through a 3D Germanosilicate Intermediate. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14529-14533	16.4	4
Core-shell and Egg-shell Zeolite Catalysts for Enhanced Hydrocarbon Processing. <i>Journal of Catalysis</i> , 2021 , 405, 664-664	7.3	4
Zinc Ions Modify Calcium Oxalate Growth by Distinct Transformation of Crystal Surface Termination. <i>Crystal Growth and Design</i> , 2021 , 21, 3375-3383	3.5	4
Few-Unit-Cell MFI Zeolite Synthesized using a Simple Di-quaternary Ammonium Structure-Directing Agent. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19214-19221	16.4	4
Controlling Nucleation Pathways in Zeolite Crystallization: Seeding Conceptual Methodologies for Advanced Materials Design <i>Journal of the American Chemical Society</i> , 2021 , 143, 21446-21460	16.4	4
Crystallization of Hierarchical Ammonium Urate: Insight into the Formation of Cetacean Renal Stones. <i>Crystal Growth and Design</i> , 2019 , 19, 6727-6735	3.5	3
Quantification and Statistical Analysis of Errors Related to the Approximate Description of Active Site Models in Metal-Exchanged Zeolites. <i>ChemCatChem</i> , 2019 , 11, 5055-5067	5.2	3
Tuning selectivity in nickel oxide-catalyzed oxidative dehydrogenation of ethane through control over non-stoichiometric oxygen density. <i>Catalysis Science and Technology</i> , 2021 , 11, 531-541	5.5	3
Synthesis, Structure and Catalytic Properties of Faceted Oxide Crystals. ChemCatChem, 2021, 13, 6-27	5.2	3
Synthesis of NiO Crystals Exposing Stable High-Index Facets. <i>Angewandte Chemie</i> , 2020 , 132, 15231-15.	2356	2
Synthesis Strategies for Ultrastable Zeolite GIS Polymorphs as Sorbents for Selective Separations. <i>Chemistry - A European Journal</i> , 2016 , 22, 15961-15961	4.8	2
Catalyst Deactivation Probed by Positron Annihilation Spectroscopy. ACS Catalysis,14967-14976	13.1	2
Acidic Polysaccharides as Green Alternatives for Barite Scale Dissolution. <i>ACS Applied Materials & Amp; Interfaces</i> , 2020 , 12, 55434-55443	9.5	2
Understanding initial zeolite oligomerization steps with first principles calculations. <i>AICHE Journal</i> , 2020 , 66, e17107	3.6	2
	inhibition of hematin crystallization. <i>Journal of Biological Chemistry</i> , 2021, 296, 100123 Time-resolved dissolution elucidates the mechanism of zeolite MFI crystallization. <i>Science Advances</i> , 2021, 7, Structuring of Organic Solvents at Solid Interfaces and Ramifications for Antimalarial Adsorption on BHematin Crystals. <i>ACS Applied Materials & Amp; interfaces</i> , 2018, 10, 29288-29298 Ultrasmall Zeolite L Crystals Prepared from Highly Interdispersed Alkali-Silicate Precursors. <i>Angewandte Chemie</i> , 2018, 130, 11453-11458 Bridging the Gap between Structurally Distinct 2D Lamellar Zeolitic Precursors through a 3D Germanosilicate Intermediate. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14529-14533 Core-shell and Egg-shell Zeolite Catalysts for Enhanced Hydrocarbon Processing. <i>Journal of Catalysis</i> , 2021, 405, 664-664 Zinc Ions Modify Calcium Oxalate Growth by Distinct Transformation of Crystal Surface Termination. <i>Crystal Growth and Design</i> , 2021, 21, 3375-3383 Few-Unit-Cell MFI Zeolite Synthesized using a Simple Di-quaternary Ammonium Structure-Directing Agent. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19214-19221 Controlling Nucleation Pathways in Zeolite Crystallization: Seeding Conceptual Methodologies for Advanced Materials Design. <i>Journal of the American Chemical Society</i> , 2021, 143, 21446-21460 Crystallization of Hierarchical Ammonium Urate: Insight into the Formation of Cetacean Renal Stones. <i>Crystal Growth and Design</i> , 2019, 19, 6727-6735 Quantification and Statistical Analysis of Errors Related to the Approximate Description of Active Site Models in Metal-Exchanged Zeolites. <i>ChemCatChem</i> , 2019, 11, 5055-5067 Tuning selectivity in nickel oxide-catalyzed oxidative dehydrogenation of ethane through control over non-stoichiometric oxygen density. <i>Catalysis Science and Technology</i> , 2021, 11, 531-541 Synthesis Strategies for Ultrastable Zeolite GIS Polymorphs as Sorbents for Selective Separations. <i>Chemistry - A European Journal</i> , 2016, 22, 15961-15961 Catalyst Deact	inhibition of hematin crystallization. <i>Journal of Biological Chemistry</i> , 2021, 296, 100123 Time-resolved dissolution elucidates the mechanism of zeolite MFI crystallization. <i>Science Advances</i> , 2021, 7, Structuring of Organic Solvents at Solid Interfaces and Ramifications for Antimalarial Adsorption on Phematin Crystals. <i>ACS Applied Materials 8amp: Interfaces</i> , 2018, 10, 29288-29298 95 Ultrasmall Zeolite L Crystals Prepared from Highly Interdispersed Alkali-Silicate Precursors. <i>Angewandte Chemie</i> , 2018, 130, 11453-11458 Bridging the Gap between Structurally Distinct 2D Lamellar Zeolitic Precursors through a 3D Germanosilicate Intermediate. <i>Angewandte Chemie- International Edition</i> , 2019, 58, 14529-14533 16-4 Core-shell and Egg-shell Zeolite Catalysts for Enhanced Hydrocarbon Processing. <i>Journal of Catalysis</i> , 2021, 405, 664-664 Zinc Ions Modify Calcium Oxalate Growth by Distinct Transformation of Crystal Surface Termination. <i>Crystal Growth and Design</i> , 2021, 21, 3375-3383 Few-Unit-Cell MFI Zeolite Synthesized using a Simple Di-quaternary Ammonium Structure-Directing Agent. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19214-19221 16-4 Controlling Nucleation Pathways in Zeolite Crystallization: Seeding Conceptual Methodologies for Advanced Materials Design. <i>Journal of the American Chemical Society</i> , 2021, 143, 21446-21460 16-4 Crystallization of Hierarchical Ammonium Urate: Insight into the Formation of Cetacean Renal Stones. <i>Crystal Growth and Design</i> , 2019, 19, 6727-6735 Quantification and Statistical Analysis of Errors Related to the Approximate Description of Active Site Models in Metal-Exchanged Zeolites. <i>ChemCatChem</i> , 2019, 11, 5055-5067 Tuning selectivity in nickel oxide-catalyzed oxidative dehydrogenation of ethane through control over non-stoichiometric oxygen density. <i>Catalysis Science and Technology</i> , 2021, 11, 531-521 Synthesis Structure and Catalytic Properties of Faceted Oxide Crystals. <i>ChemCatChem</i> , 2020, 132, 15231-15233-5 Synthesis Strategies for Ultrastable

14	Minerals from colloidal assembly. <i>Nature Materials</i> , 2020 , 19, 375-376	27	1
13	Bridging the Gap between Structurally Distinct 2D Lamellar Zeolitic Precursors through a 3D Germanosilicate Intermediate. <i>Angewandte Chemie</i> , 2019 , 131, 14671-14675	3.6	1
12	Few-Unit-Cell MFI Zeolite Synthesized using a Simple Di-quaternary Ammonium Structure-Directing Agent. <i>Angewandte Chemie</i> , 2021 , 133, 19363-19370	3.6	1
11	Suppressing Barium Sulfate Crystallization with Hydroxycitrate: A Dual Nucleation and Growth Inhibitor. <i>Chemistry of Materials</i> , 2021 , 33, 6997-7007	9.6	1
10	Alginate as a green inhibitor of barite nucleation and crystal growth. <i>Molecular Systems Design and Engineering</i> , 2021 , 6, 508-519	4.6	1
9	High-Index (Ni,Mg)O Crystallization during Molten Salt Synthesis. <i>Chemistry of Materials</i> , 2021 , 33, 3155	5-3.163	O
8	Local Ordering of Molten Salts at NiO Crystal Interfaces Promotes High-Index Faceting. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25391-25396	16.4	0
7	Titelbild: Nanoscale Control of Homoepitaxial Growth on a Two-Dimensional Zeolite (Angew. Chem. 2/2017). <i>Angewandte Chemie</i> , 2017 , 129, 431-431	3.6	
6	REktitelbild: Organic-Free Synthesis of a Highly Siliceous Faujasite Zeolite with Spatially Biased Q4(nAl) Si Speciation (Angew. Chem. 43/2017). <i>Angewandte Chemie</i> , 2017 , 129, 13718-13718	3.6	
5	Low Dose Electron Microscopy of Amonium Urates. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2230-2231	0.5	
4	REktitelbild: Tailoring Silicalite-1 Crystal Morphology with Molecular Modifiers (Angew. Chem. 14/2012). <i>Angewandte Chemie</i> , 2012 , 124, 3550-3550	3.6	
3	Back Cover: Tailoring Silicalite-1 Crystal Morphology with Molecular Modifiers (Angew. Chem. Int. Ed. 14/2012). <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3492-3492	16.4	
2	Ethylene Dehydroaromatization over Ga-ZSM-5 Catalysts: Nature and Role of Gallium Speciation. <i>Angewandte Chemie</i> , 2020 , 132, 19760-19769	3.6	
1	Factors controlling the molecular modification of one-dimensional zeolites. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 18610-18617	3.6	