

Kirill V Kovtunov

List of Publications by Year in descending order

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115
papers

4,692
citations

94433

37
h-index

114465

63
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126
all docs

126
docs citations

126
times ranked

2185
citing authors

#	ARTICLE	IF	CITATIONS
1	Parahydrogen-Induced Polarization for Biomedicine. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11140-11162.	13.8	251
2	NMR Imaging of Catalytic Hydrogenation in Microreactors with the Use of para-Hydrogen. <i>Science</i> , 2008, 319, 442-445.	12.6	213
3	Development of new methods in modern selective organic synthesis: preparation of functionalized molecules with atomic precision. <i>Russian Chemical Reviews</i> , 2014, 83, 885-985.	6.5	182
4	Hyperpolarized NMR Spectroscopy: <i>d</i> -DNP, PHIP, and SABRE Techniques. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1857-1871.	3.3	180
5	Observation of Parahydrogen-Induced Polarization in Heterogeneous Hydrogenation on Supported Metal Catalysts. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1492-1495.	13.8	179
6	para-Hydrogen-Induced Polarization in Heterogeneous Hydrogenation Reactions. <i>Journal of the American Chemical Society</i> , 2007, 129, 5580-5586.	13.7	160
7	The Feasibility of Formation and Kinetics of NMR Signal Amplification by Reversible Exchange (SABRE) at High Magnetic Field (9.4 T). <i>Journal of the American Chemical Society</i> , 2014, 136, 3322-3325.	13.7	148
8	NMR Hyperpolarization Techniques of Gases. <i>Chemistry - A European Journal</i> , 2017, 23, 725-751.	3.3	140
9	Irreversible Catalyst Activation Enables Hyperpolarization and Water Solubility for NMR Signal Amplification by Reversible Exchange. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13882-13889.	2.6	131
10	^{13}C - ^1H Activation on Co ₂ O Sites: Isolated Surface Sites versus Molecular Analogs. <i>Journal of the American Chemical Society</i> , 2016, 138, 14987-14997.	13.7	117
11	Parahydrogen-Induced Polarization in Heterogeneous Catalytic Processes. <i>Topics in Current Chemistry</i> , 2012, 338, 123-180.	4.0	100
12	A simple analytical model for signal amplification by reversible exchange (SABRE) process. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 89-93.	2.8	90
13	Para-Hydrogen-Enhanced Hyperpolarized Gas-Phase Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4064-4068.	13.8	83
14	Parahydrogen-Induced Polarization in Heterogeneous Hydrogenations Catalyzed by an Immobilized Au(III) Complex. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1705-1708.	4.6	74
15	High-Resolution 3D Proton MRI of Hyperpolarized Gas Enabled by Parahydrogen and Rh/TiO ₂ Heterogeneous Catalyst. <i>Chemistry - A European Journal</i> , 2014, 20, 11636-11639.	3.3	72
16	Propane- <i>d</i> ₆ Heterogeneously Hyperpolarized by Parahydrogen. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28234-28243.	3.1	71
17	Facile Removal of Homogeneous SABRE Catalysts for Purifying Hyperpolarized Metronidazole, a Potential Hypoxia Sensor. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16848-16852.	3.1	69
18	Single-Atom Gold Catalysis in the Context of Developments in Parahydrogen-Induced Polarization. <i>Chemistry - A European Journal</i> , 2015, 21, 7012-7015.	3.3	68

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19	Role of Different Active Sites in Heterogeneous Alkene Hydrogenation on Platinum Catalysts Revealed by Means of Parahydrogen-Induced Polarization. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13386-13391.	3.1	66
20	Long-Lived Spin States for Low-Field Hyperpolarized Gas MRI. <i>Chemistry - A European Journal</i> , 2014, 20, 14629-14632.	3.3	65
21	Microfluidic Gas-Flow Imaging Utilizing Parahydrogen-Induced Polarization and Remote-Detection NMR. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8363-8366.	13.8	60
22	In Situ and Ex Situ Low-Field NMR Spectroscopy and MRI Endowed by SABRE Hyperpolarization. <i>ChemPhysChem</i> , 2014, 15, 4100-4107.	2.1	58
23	Heterogeneous Microtesla SABRE Enhancement of ¹⁵ N NMR Signals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10433-10437.	13.8	58
24	Heterogeneous addition of H ₂ to double and triple bonds over supported Pd catalysts: a parahydrogen-induced polarization technique study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11008.	2.8	56
25	Strong Metal-Support Interactions for Palladium Supported on TiO ₂ Catalysts in the Heterogeneous Hydrogenation with Parahydrogen. <i>ChemCatChem</i> , 2015, 7, 2581-2584.	3.7	54
26	Parawasserstoff-basierte Hyperpolarisierung für die Biomedizin. <i>Angewandte Chemie</i> , 2018, 130, 11310-11333.	2.0	54
27	X-H Bond Activation on Cr(III), O Sites (X = R, H): Key Steps in Dehydrogenation and Hydrogenation Processes. <i>Organometallics</i> , 2017, 36, 234-244.	2.3	51
28	Parahydrogen-induced polarization (PHIP) in heterogeneous hydrogenation over bulk metals and metal oxides. <i>Chemical Communications</i> , 2014, 50, 875-878.	4.1	50
29	Selective Single-Site Pd ^{II} In Hydrogenation Catalyst for Production of Enhanced Magnetic Resonance Signals using Parahydrogen. <i>Chemistry - A European Journal</i> , 2018, 24, 2547-2553.	3.3	50
30	Hyperpolarizing Concentrated Metronidazole ¹⁵ N-NO ₂ Group over Six Chemical Bonds with More than 15% Polarization and a 20-...Minute Lifetime. <i>Chemistry - A European Journal</i> , 2019, 25, 8829-8836.	3.3	48
31	NMR Signal Enhancement for Hyperpolarized Fluids Continuously Generated in Hydrogenation Reactions with Parahydrogen. <i>Journal of Physical Chemistry A</i> , 2015, 119, 996-1006.	2.5	47
32	New Perspectives for Parahydrogen-Induced Polarization in Liquid Phase Heterogeneous Hydrogenation: An Aqueous Phase and ALTADENA Study. <i>ChemPhysChem</i> , 2010, 11, 3086-3088.	2.1	43
33	Nuclear Spin Isomers of Ethylene: Enrichment by Chemical Synthesis and Application for NMR Signal Enhancement. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13251-13255.	13.8	42
34	A Mechanistic Study of Thiophene Hydrodesulfurization by the Parahydrogen-Induced Polarization Technique. <i>ChemCatChem</i> , 2015, 7, 3508-3512.	3.7	42
35	Production of Catalyst-Free Hyperpolarised Ethanol Aqueous Solution via Heterogeneous Hydrogenation with Parahydrogen. <i>Scientific Reports</i> , 2015, 5, 13930.	3.3	41
36	Aqueous, Heterogeneous <i>in situ</i> -Hydrogen-Induced ¹⁵ N Polarization. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15304-15309.	3.1	40

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37	High-Resolution Low-Field Molecular Magnetic Resonance Imaging of Hyperpolarized Liquids. <i>Analytical Chemistry</i> , 2014, 86, 9042-9049.	6.5	39
38	Toward Continuous Production of Catalyst-Free Hyperpolarized Fluids Based on Biphasic and Heterogeneous Hydrogenations with Parahydrogen. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22887-22893.	3.1	38
39	Parahydrogen-induced polarization in alkyne hydrogenation catalyzed by Pd nanoparticles embedded in a supported ionic liquid phase. <i>Chemical Communications</i> , 2010, 46, 5764.	4.1	36
40	Selective Hydrogenation of 1,3-Butadiene and 1-Butyne over a Rh/Chitosan Catalyst Investigated by using Parahydrogen-Induced Polarization. <i>ChemCatChem</i> , 2012, 4, 2031-2035.	3.7	36
41	Evaluation of the Mechanism of Heterogeneous Hydrogenation of $\hat{1},\hat{2}$ -Unsaturated Carbonyl Compounds via Pairwise Hydrogen Addition. <i>ACS Catalysis</i> , 2014, 4, 2022-2028.	11.2	36
42	Production of Pure Aqueous ^{13}C -Hyperpolarized Acetate by Heterogeneous Parahydrogen-Induced Polarization. <i>Chemistry - A European Journal</i> , 2016, 22, 16446-16449.	3.3	36
43	NMR Spin-Lock Induced Crossing (SLIC) dispersion and long-lived spin states of gaseous propane at low magnetic field (0.05 T). <i>Journal of Magnetic Resonance</i> , 2017, 276, 78-85.	2.1	36
44	Chemical Exchange Reaction Effect on Polarization Transfer Efficiency in SLIC-SABRE. <i>Journal of Physical Chemistry A</i> , 2018, 122, 9107-9114.	2.5	33
45	Synthesis of Unsaturated Precursors for Parahydrogen-Induced Polarization and Molecular Imaging of $1\text{-}^{13}\text{C}$ -Acetates and $1\text{-}^{13}\text{C}$ -Pyruvates via Side Arm Hydrogenation. <i>ACS Omega</i> , 2018, 3, 6673-6682.	3.5	33
46	^{15}N MRI of SLIC-SABRE Hyperpolarized ^{15}N -Labelled Pyridine and Nicotinamide. <i>Chemistry - A European Journal</i> , 2019, 25, 8465-8470.	3.3	33
47	^{15}N NMR Hyperpolarization of Radiosensitizing Antibiotic Nimorazole by Reversible Parahydrogen Exchange in Microtesla Magnetic Fields. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2406-2413.	13.8	33
48	Quantifying the effects of quadrupolar sinks <i>via</i> ^{15}N relaxation dynamics in metronidazoles hyperpolarized <i>via</i> SABRE-SHEATH. <i>Chemical Communications</i> , 2020, 56, 9098-9101.	4.1	32
49	2D Mapping of NMR Signal Enhancement and Relaxation for Heterogeneously Hyperpolarized Propane Gas. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10038-10046.	3.1	31
50	Toward production of pure ^{13}C hyperpolarized metabolites using heterogeneous parahydrogen-induced polarization of ethyl[$1\text{-}^{13}\text{C}$]acetate. <i>RSC Advances</i> , 2016, 6, 69728-69732.	3.6	28
51	Pairwise hydrogen addition in the selective semihydrogenation of alkynes on silica-supported Cu catalysts. <i>Chemical Science</i> , 2017, 8, 2426-2430.	7.4	28
52	Parahydrogen-Induced Polarization of $1\text{-}^{13}\text{C}$ -Acetates and $1\text{-}^{13}\text{C}$ -Pyruvates Using Sidearm Hydrogenation of Vinyl, Allyl, and Propargyl Esters. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12827-12840.	3.1	28
53	Pulse-Programmable Magnetic Field Sweeping of Parahydrogen-Induced Polarization by Side Arm Hydrogenation. <i>Analytical Chemistry</i> , 2020, 92, 1340-1345.	6.5	28
54	Demonstration of Heterogeneous Parahydrogen Induced Polarization Using Hyperpolarized Agent Migration from Dissolved Rh(I) Complex to Gas Phase. <i>Analytical Chemistry</i> , 2014, 86, 6192-6196.	6.5	27

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55	Robust Imidazole ¹⁵ N ₂ Synthesis for High-Resolution Low-Field (0.05 T) ¹⁵ N-Hyperpolarized NMR Spectroscopy. <i>ChemistrySelect</i> , 2017, 2, 4478-4483.	1.5	27
56	Heterogeneous Microtesla SABRE Enhancement of ¹⁵ N NMR Signals. <i>Angewandte Chemie</i> , 2017, 129, 10569-10573.	2.0	27
57	Single-Site Heterogeneous Catalysts: From Synthesis to NMR Signal Enhancement. <i>Chemistry - A European Journal</i> , 2019, 25, 1420-1431.	3.3	27
58	Parahydrogen-Induced Hyperpolarization of Gases. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17788-17797.	13.8	27
59	Chemical Reaction Monitoring using Zero-Field Nuclear Magnetic Resonance Enables Study of Heterogeneous Samples in Metal Containers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17026-17032.	13.8	26
60	Imaging of Biomolecular NMR Signals Amplified by Reversible Exchange with Parahydrogen Inside an MRI Scanner. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25994-25999.	3.1	25
61	Catalysis and Nuclear Magnetic Resonance Signal Enhancement with Parahydrogen. <i>Topics in Catalysis</i> , 2016, 59, 1686-1699.	2.8	24
62	¹⁹ F Hyperpolarization of ¹⁵ N-3- ¹⁹ F-Pyridine via Signal Amplification by Reversible Exchange. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23002-23010.	3.1	23
63	Quasi-Resonance Fluorine-19 Signal Amplification by Reversible Exchange. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4229-4236.	4.6	23
64	Clinical-Scale Batch-Mode Production of Hyperpolarized Propane Gas for MRI. <i>Analytical Chemistry</i> , 2019, 91, 4741-4746.	6.5	23
65	NMR SLIC Sensing of Hydrogenation Reactions Using Parahydrogen in Low Magnetic Fields. <i>Journal of Physical Chemistry C</i> , 2016, 120, 29098-29106.	3.1	21
66	Gas Phase UTE MRI of Propane and Propene. <i>Tomography</i> , 2016, 2, 49-55.	1.8	21
67	Hydrogenation of Unsaturated Six-Membered Cyclic Hydrocarbons Studied by the Parahydrogen-Induced Polarization Technique. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13541-13548.	3.1	20
68	The effect of oxidative and reductive treatments of titania-supported metal catalysts on the pairwise hydrogen addition to unsaturated hydrocarbons. <i>Catalysis Today</i> , 2017, 283, 82-88.	4.4	20
69	Mechanistic Insight into the Heterogeneous Hydrogenation of Furan Derivatives with the use of Parahydrogen. <i>ChemCatChem</i> , 2018, 10, 1178-1183.	3.7	20
70	Low-Cost High-Pressure Clinical-Scale 50% Parahydrogen Generator Using Liquid Nitrogen at 77 K. <i>Analytical Chemistry</i> , 2021, 93, 8476-8483.	6.5	20
71	Heterogeneous Parahydrogen Pairwise Addition to Cyclopropane. <i>ChemPhysChem</i> , 2018, 19, 2621-2626.	2.1	19
72	PHIP hyperpolarized [1- ¹³ C]pyruvate and [1- ¹³ C]acetate esters via PH-INEPT polarization transfer monitored by ¹³ C NMR and MRI. <i>Scientific Reports</i> , 2021, 11, 5646.	3.3	19

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73	Extending the Lifetime of Hyperpolarized Propane Gas through Reversible Dissolution. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4481-4487.	3.1	18
74	¹⁵ N Hyperpolarization of Dalfampridine at Natural Abundance for Magnetic Resonance Imaging. <i>Chemistry - A European Journal</i> , 2019, 25, 12694-12697.	3.3	18
75	Relaxation Dynamics of Nuclear Long-Lived Spin States in Propane and Propane-d ₆ Hyperpolarized by Parahydrogen. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11734-11744.	3.1	18
76	Deciphering the Nature of Ru Sites in Reductively Exsolved Oxides with Electronic and Geometric Metal-Support Interactions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25299-25307.	3.1	18
77	Mechanistic <i>in situ</i> investigation of heterogeneous hydrogenation over Rh/TiO ₂ catalysts: selectivity, pairwise route and catalyst nature. <i>Faraday Discussions</i> , 2021, 229, 161-175.	3.2	18
78	Kinetic Study of Propylene Hydrogenation over Pt/Al ₂ O ₃ by Parahydrogen-Induced Polarization. <i>Applied Magnetic Resonance</i> , 2013, 44, 279-288.	1.2	17
79	Bimetallic Pd-Au/Highly Oriented Pyrolytic Graphite Catalysts: from Composition to Pairwise Parahydrogen Addition Selectivity. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18588-18595.	3.1	17
80	Catalytic hydrogenation with parahydrogen: a bridge from homogeneous to heterogeneous catalysis. <i>Pure and Applied Chemistry</i> , 2020, 92, 1029-1046.	1.9	17
81	Spatially resolved NMR spectroscopy of heterogeneous gas phase hydrogenation of 1,3-butadiene with <i>para</i> -hydrogen. <i>Catalysis Science and Technology</i> , 2020, 10, 99-104.	4.1	16
82	Low-valent homobimetallic Rh complexes: influence of ligands on the structure and the intramolecular reactivity of Rh-H intermediates. <i>Chemical Science</i> , 2019, 10, 7937-7945.	7.4	15
83	Pairwise Parahydrogen Addition Over Molybdenum Carbide Catalysts. <i>Topics in Catalysis</i> , 2020, 63, 2-11.	2.8	14
84	Efficient Batch-Mode Parahydrogen-Induced Polarization of Propane. <i>ChemPhysChem</i> , 2016, 17, 3395-3398.	2.1	13
85	Effects of Deuteration of ¹³ C-Enriched Phospholactate on Efficiency of Parahydrogen-Induced Polarization by Magnetic Field Cycling. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24740-24749.	3.1	12
86	Heterogeneous hydrogenation of phenylalkynes with parahydrogen: hyperpolarization, reaction selectivity, and kinetics. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26477-26482.	2.8	12
87	Heterogeneous Parahydrogen-Induced Polarization of Diethyl Ether for Magnetic Resonance Imaging Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 1316-1322.	3.3	12
88	Multinuclear magnetic resonance imaging as a multifunctional tool for the investigation of the properties of materials, transport processes and catalytic reactions. <i>Russian Chemical Reviews</i> , 2007, 76, 583-598.	6.5	11
89	Recent MRI Studies on Heterogeneous Catalysis. <i>Annual Reports on NMR Spectroscopy</i> , 2018, 95, 83-145.	1.5	11
90	In Situ Monitoring of Heterogeneous Catalytic Hydrogenation via ¹²⁹ Xe NMR Spectroscopy and Proton MRI. <i>ACS Catalysis</i> , 2020, 10, 1417-1422.	11.2	11

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91	Parahydrogen-Induced Polarization of Diethyl Ether Anesthetic. <i>Chemistry - A European Journal</i> , 2020, 26, 13621-13626.	3.3	11
92	Pilot multi-site quality assurance study of batch-mode clinical-scale automated xenon-129 hyperpolarizers. <i>Journal of Magnetic Resonance</i> , 2020, 316, 106755.	2.1	9
93	Heterogeneous ¹ H and ¹³ C Parahydrogen-Induced Polarization of Acetate and Pyruvate Esters. <i>ChemPhysChem</i> , 2021, 22, 1389-1396.	2.1	9
94	Evaluation of Activation Energies for Pairwise and Non-Pairwise Hydrogen Addition to Propyne Over Pd/Aluminosilicate Fiberglass Catalyst by Parahydrogen-Induced Polarization (PHIP). <i>Applied Magnetic Resonance</i> , 2014, 45, 1051-1061.	1.2	8
95	Low-Flammable Parahydrogen-Polarized MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 2021, 27, 2774-2781.	3.3	8
96	Synthesis and ¹⁵ N NMR Signal Amplification by Reversible Exchange of [¹⁵ N]Dalfampridine at Microtesla Magnetic Fields. <i>ChemPhysChem</i> , 2021, 22, 960-967.	2.1	8
97	Robust In Situ Magnetic Resonance Imaging of Heterogeneous Catalytic Hydrogenation with and without Hyperpolarization. <i>ChemCatChem</i> , 2019, 11, 969-973.	3.7	7
98	A versatile synthetic route to the preparation of ¹⁵ N heterocycles. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2019, 62, 892-902.	1.0	7
99	CHAPTER 6. Catalytic Enhancement of NMR Sensitivity for Advanced Spectroscopic and Imaging Studies in Catalysis and Life Sciences. <i>RSC Smart Materials</i> , 2017, , 142-171.	0.1	7
100	NMR microimaging of fluid flow in model string-type reactors. <i>Chemical Engineering Science</i> , 2007, 62, 4459-4468.	3.8	6
101	Helium-rich mixtures for improved batch-mode clinical-scale spin-exchange optical pumping of Xenon-129. <i>Journal of Magnetic Resonance</i> , 2020, 315, 106739.	2.1	6
102	¹⁵ N NMR Hyperpolarization of Radiosensitizing Antibiotic Nimorazole by Reversible Parahydrogen Exchange in Microtesla Magnetic Fields. <i>Angewandte Chemie</i> , 2021, 133, 2436-2443.	2.0	6
103	Gas-Phase NMR of Hyperpolarized Propane with ¹ H-to- ¹³ C Polarization Transfer by PH-INEPT. <i>Applied Magnetic Resonance</i> , 2022, 53, 653-669.	1.2	6
104	Mechanisms of Methylene-cyclobutane Hydrogenation over Supported Metal Catalysts Studied by Parahydrogen-Induced Polarization Technique. <i>ChemPhysChem</i> , 2022, 23, .	2.1	5
105	Parahydrogen-Induced Polarization in Heterogeneous Catalytic Hydrogenations. , 0, , 99-115.		4
106	Magnetic resonance imaging of catalytically relevant processes. <i>Reviews in Chemical Engineering</i> , 2021, 37, 3-29.	4.4	3
107	Frontispiece: NMR Hyperpolarization Techniques of Gases. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	2
108	High-Resolution 3D Proton MRI of Hyperpolarized Gas Enabled by Parahydrogen and Rh/TiO ₂ Heterogeneous Catalyst. <i>Chemistry - A European Journal</i> , 2014, 20, 11597-11597.	3.3	1

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109	NMR Hyperpolarization Techniques of Gases. Chemistry - A European Journal, 2017, 23, 724-724.	3.3	1
110	Application of parahydrogen for mechanistic investigations of heterogeneous catalytic processes. Russian Chemical Bulletin, 2017, 66, 273-281.	1.5	1
111	Parawasserstoffâ€nduzierte Hyperpolarisation von Gasen. Angewandte Chemie, 2020, 132, 17940-17949.	2.0	1
112	Strong Metalâ€Support Interactions for Palladium Supported on TiO ₂ Catalysts in Heterogeneous Hydrogenation with Parahydrogen. ChemCatChem, 2015, 7, 2545-2545.	3.7	0
113	Frontispiece: Selective Singleâ€Site Pd ^{II} In Hydrogenation Catalyst for Production of Enhanced Magnetic Resonance Signals using Parahydrogen. Chemistry - A European Journal, 2018, 24, .	3.3	0
114	Frontispiece: Parahydrogenâ€Induced Polarization of Diethyl Ether Anesthetic. Chemistry - A European Journal, 2020, 26, .	3.3	0
115	Chemical Reaction Monitoring using Zeroâ€Field Nuclear Magnetic Resonance Enables Study of Heterogeneous Samples in Metal Containers. Angewandte Chemie, 2020, 132, 17174-17180.	2.0	0