Ingo Eilks

List of Publications by Citations

140 papers	1,862 citations	21 h-index	37 g-index
160 ext. papers	2,263 ext. citations	1.6 avg, IF	5.55 L-index

#	Paper	IF	Citations
140	The meaning of relevance in science education and its implications for the science curriculum. *Studies in Science Education*, **2013**, 49, 1-34	4.5	203
139	Education for Sustainable Development (ESD) and chemistry education. *Chemistry Education Research and Practice*, **2012**, 13, 59-68	2.1	145
138	SOCIETAL ISSUES AND THEIR IMPORTANCE FOR CONTEMPORARY SCIENCE EDUCATION A PEDAGOGICAL JUSTIFICATION AND THE STATE-OF-THE-ART IN ISRAEL, GERMANY, AND THE USA. *International Journal of Science and Mathematics Education*, **2011**, 9, 1459-1483	1.7	144
137	An example of learning about plastics and their evaluation as a contribution to Education for Sustainable Development in secondary school chemistry teaching. *Chemistry Education Research and Practice*, **2012**, 13, 93-102	2.1	57
136	Reconsidering Different Visions of Scientific Literacy and Science Education Based on the Concept of Bildung. *Innovations in Science Education and Technology*, **2018**, 65-88	0.2	49
135	Towards Eco-reflexive Science Education. *Science and Education*, **2016**, 25, 321-341	2.1	43
134	Teaching the Societal Dimension of Chemistry Using a Socio-Critical and Problem-Oriented Lesson Plan Based on Bioethanol Usage. *Journal of Chemical Education*, **2011**, 88, 1250-1256	2.4	43
133	Experiences and Reflections about Teaching Atomic Structure in a Jigsaw Classroom in Lower Secondary School Chemistry Lessons. *Journal of Chemical Education*, **2005**, 82, 313	2.4	42
132	German chemistry teachers understanding of sustainability and education for sustainable development An interview case study. *Chemistry Education Research and Practice*, **2013**, 14, 169-176	2.1	40
131	Research-based development of a lesson plan on shower gels and musk fragrances following a socio-critical and problem-oriented approach to chemistry teaching. *Chemistry Education Research and Practice*, **2010**, 11, 129-141	2.1	37
130	DIFFERENT TYPES OF ACTION RESEARCH TO PROMOTE CHEMISTRY TEACHERS PROFESSIONAL DEVELOPMENT A JOINED THEORETICAL REFLECTION ON TWO CASES FROM ISRAEL AND GERMANY. *International Journal of Science and Mathematics Education*, **2012**, 10, 581-610	1.7	31
129	A Multi-Perspective Reflection on How Indigenous Knowledge and Related Ideas Can Improve Science Education for Sustainability. *Science and Education*, **2020**, 29, 145-185	2.1	31
128	Use of the concept of Bildung in the international science education literature, its potential, and implications for teaching and learning. *Studies in Science Education*, **2017**, 53, 165-192	4.5	30
127	TEACHING ?BIODIESEL?: A SOCIOCRITICAL AND PROBLEMORIENTED APPROACH TO CHEMISTRY TEACHING AND STUDENTS? FIRST VIEWS ON IT. *Chemistry Education Research and Practice*, **2002**, 3, 77-85	2.1	29
126	Action research in science education an analytical review of the literature. *Educational Action Research*, **2018**, 26, 480-495	0.8	29
125	A case study on German first year chemistry student teachers beliefs about chemistry teaching, and their comparison with student teachers from other science teaching domains. *Chemistry Education Research and Practice*, **2008**, 9, 25-34	2.1	27
124	Science Education and Education for Sustainable Development Justifications, Models, Practices and Perspectives. *Eurasia Journal of Mathematics, Science and Technology Education*, **2015**, 11,	1.6	25

123	Education in green chemistry and in sustainable chemistry: perspectives towards sustainability. *Green Chemistry*, **2021**, 23, 1594-1608	10	25
122	Increasing student motivation and the perception of chemistry's relevance in the classroom by learning about tattooing from a chemical and societal view. *Chemistry Education Research and Practice*, **2014**, 15, 156-167	2.1	24
121	Effects of a Long-Term Participatory Action Research Project on Science Teachers Professional Development. *Eurasia Journal of Mathematics, Science and Technology Education*, **2011**, 7,	1.6	24
120	Learning chemistry and beyond with a lesson plan on potato crisps, which follows a socio-critical and problem-oriented approach to chemistry lessons a case study. *Chemistry Education Research and Practice*, **2008**, 9, 267-276	2.1	21
119	THE EVALUATION OF ROLE-PLAYING IN THE CONTEXT OF TEACHING CLIMATE CHANGE. *International Journal of Science and Mathematics Education*, **2015**, 13, 165-190	1.7	20
118	The need for innovative methods of teaching and learning chemistry in higher education reflections from a project of the European Chemistry Thematic Network. *Chemistry Education Research and Practice*, **2010**, 11, 233-240	2.1	20
117	Evaluating roadmaps to portray and develop chemistry teachers PCK about curricular structures concerning sub-microscopic models. *Chemistry Education Research and Practice*, **2009**, 10, 77-85	2.1	20
116	How to Allocate the Chemistry Curriculum Between Science and Society **2013**, 1-36		20
115	Using Participatory Action Research to Develop a Course Module on Education for Sustainable Development in Pre-Service Chemistry Teacher Education. *Center for Educational Policy Studies Journal*, **2013**, 3, 59-78	1.2	19
114	A case study of beginning science teachers subject matter (SMK) and pedagogical content knowledge (PCK) of teaching chemical reaction in Turkey. *European Journal of Teacher Education*, **2011**, 34, 407-429	4.2	18
113	Seventh-grade Students' Understanding of Chemical Reactions: Reflections from an Action Research Interview Study. *Eurasia Journal of Mathematics, Science and Technology Education*, **2007**, 3,	1.6	18
112	Learning About the Role and Function of Science in Public Debate as an Essential Component of Scientific Literacy. *Contributions From Science Education Research*, **2014**, 85-100	0.2	18
111	First-Year Science Education Student Teachers Beliefs about Student- and Teacher-Centeredness: Parallels and Differences between Chemistry and Other Science Teaching Domains. *Journal of Chemical Education*, **2010**, 87, 335-339	2.4	17
110	Partizipative Fachdidaktische Aktionsforschung. Ein Modell f eine begr dete und praxisnahe curriculare Entwicklungsforschung in der Chemiedidaktik. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2002**, 9, 13-18	0.3	17
109	Using a word association test for the assessment of high school students' cognitive structures on dissolution. *Chemistry Education Research and Practice*, **2016**, 17, 902-913	2.1	16
108	Chemistry teachers' views on teaching 'climate change' - an interview case study from research-oriented learning in teacher education. *Chemistry Education Research and Practice*, **2011**, 12, 85-91	2.1	16
107	Developing a Tool to Evaluate Differences in Beliefs About Science Teaching and Learning Among Freshman Science Student Teachers from Different Science Teaching Domains: A Case Study. *Eurasia Journal of Mathematics, Science and Technology Education*, **2008**, 4,	1.6	16
106	The potential of the non-formal educational sector for supporting chemistry learning and sustainability education for all students a joint perspective from two cases in Finland and Germany. *Chemistry Education Research and Practice*, **2017**, 18, 13-25	2.1	15

105	Differences and Developments in Attitudes and Self-Efficacy of Prospective Chemistry Teachers Concerning the Use of ICT in Education. *Eurasia Journal of Mathematics, Science and Technology Education*, **2017**, 13,	1.6	15
104	Differences in General Cognitive Abilities and Domain-Specific Skills of Higher- and Lower-Achieving Students in Stoichiometry. *Journal of Chemical Education*, **2014**, 91, 961-968	2.4	15
103	BELIEFS ABOUT CHEMISTRY TEACHING AND LEARNING: A COMPARISON OF TEACHERS' AND STUDENT TEACHERS' BELIEFS FROM JORDAN, TURKEY AND GERMANY. *International Journal of Science and Mathematics Education*, **2014**, 12, 767-792	1.7	14
102	A Comparison of Student Teachers' Beliefs from Four Different Science Teaching Domains Using a Mixed Methods Design. *International Journal of Science Education*, **2012**, 34, 589-608	2.2	14
101	POTENTIAL CHANGES IN PROSPECTIVE CHEMISTRY TEACHERS' BELIEFS ABOUT TEACHING AND LEARNING: A CROSS-LEVEL STUDY. *International Journal of Science and Mathematics Education*, **2013**, 11, 979-998	1.7	14
100	Reflecting Socio-Scientific Issues for Science Education Coming from the Case of Curriculum Development on Doping in Chemistry Education. *Eurasia Journal of Mathematics, Science and Technology Education*, **2013**, 9,	1.6	14
99	Integrating perspectives from indigenous knowledge and Western science in secondary and higher chemistry learning to contribute to sustainability education. *Sustainable Chemistry and Pharmacy*, **2020**, 16, 100229	3.9	13
98	The Philosophical Works of Ludwik Fleck and Their Potential Meaning for Teaching and Learning Science. *Science and Education*, **2015**, 24, 281-298	2.1	12
97	Incorporating a Web-Based Hydraulic Fracturing Module in General Chemistry as a Socio-Scientific Issue That Engages Students. *Journal of Chemical Education*, **2018**, 95, 553-559	2.4	12
96	A Non-Formal Student Laboratory as a Place for Innovation in Education for Sustainability for All Students. *Education Sciences*, **2015**, 5, 238-254	2.2	12
95	The Potential of Non-Formal Laboratory Environments for Innovating the Chemistry Curriculum and Promoting Secondary School Level Students Education for Sustainability. *Sustainability*, **2015**, 7, 1798-1818	3.6	12
94	The Societal Dimension in German Science Education – From Tradition towards Selected Cases and Recent Developments. *Eurasia Journal of Mathematics, Science and Technology Education*, **2014**, 10,	1.6	12
93	Pre-service and in-service teachers' beliefs about teaching and learning chemistry in Turkey. *European Journal of Teacher Education*, **2013**, 36, 464-479	4.2	11
92	Teachers' views on implementing storytelling as a way to motivate inquiry learning in high-school chemistry teaching. *Chemistry Education Research and Practice*, **2017**, 18, 304-309	2.1	10
91	Advertising and science education: a multi-perspective review of the literature. *Studies in Science Education*, **2015**, 51, 169-200	4.5	10
90	Chemistry Education For Sustainability **2015**, 163-184		10
89	Trends in Practical Work in German Science Education. *Eurasia Journal of Mathematics, Science and Technology Education*, **2012**, 8,	1.6	10
88	Didaktik Models in Chemistry Education. *Journal of Chemical Education*, **2020**, 97, 910-915	2.4	9

87	Learning with and about advertising in chemistry education with a lesson plan on natural cosmetics – a case study. *Chemistry Education Research and Practice*, **2015**, 16, 578-588	2.1	9
86	The Use of Comics in Experimental Instructions in a Non-formal Chemistry Learning Context. *International Journal of Education in Mathematics, Science and Technology*,93-104	1.2	9
85	Developing a lesson plan on conventional and green pesticides in chemistry education – a project of participatory action research. *Chemistry Education Research and Practice*, **2020**, 21, 141-153	2.1	9
84	A Survey of Indonesian Science Teachers' Experience and Perceptions toward Socio-Scientific Issues-Based Science Education. *Education Sciences*, **2020**, 10, 39	2.2	8
83	How to Organise the Chemistry Classroom in a Student-Active Mode **2013**, 183-212		8
82	One country, two cultures – a multi-perspective view on Israeli chemistry teachers' beliefs about teaching and learning. *Teachers and Teaching: Theory and Practice*, **2016**, 22, 131-147	2	7
81	A comparative analysis of the intended curriculum and its presentation in 10th grade chemistry textbooks from seven Arabic countries. *Chemistry Education Research and Practice*, **2017**, 18, 375-385	2.1	7
80	Phosphate Recovery as a Topic for Practical and Interdisciplinary Chemistry Learning. *Journal of Chemical Education*, **2019**, 96, 2952-2958	2.4	7
79	Cross-Curricular Goals and Raising the Relevance of Science Education. *Contributions From Science Education Research*, **2017**, 297-307	0.2	7
78	Jordanian chemistry teachers' views on teaching practices and educational reform. *Chemistry Education Research and Practice*, **2012**, 13, 314-324	2.1	7
77	A lesson plan on 'methods of separating matter' based on the Learning Company Approach – A motivating frame for self- regulated and open lab-work in introductory secondary chemistry lessons. *Chemistry Education Research and Practice*, **2007**, 8, 108-119	2.1	7
76	German Teachers' Views on Promoting Scientific Media Literacy Using Advertising in the Science Classroom. *International Journal of Science and Mathematics Education*, **2016**, 14, 1233-1254	1.7	6
75	A Colorful Demonstration to Visualize and Inquire into Essential Elements of Chemical Equilibrium. *Journal of Chemical Education*, **2016**, 93, 1904-1907	2.4	6
74	On the development and assessment of a computer-based learning and assessment environment for the transition from lower to upper secondary chemistry education. *Chemistry Education Research and Practice*, **2013**, 14, 345-353	2.1	5
73	On the Disproportionations of Cyclohexene and Related Compounds. *Journal of Chemical Education* , **1997**, 74, 1323	2.4	5
72	Twelfth grade students' understanding of oxidation and combustion: using action research to improve teachers' practical knowledge and teaching practice. *Research in Science and Technological Education*, **2003**, 21, 159-175	1	5
71	Using Multimedia Learning Aids from the Internet for Teaching Chemistry **2010**, 49-69		5
70	CHAPTER 4:Learning about Sustainable Development in Socio-Scientific Issues-Based Chemistry Lessons on Fuels and Bioplastics **2015**, 45-60		5

69	The Development of Pedagogical Content Knowledge about Teaching Redox Reactions in German Chemistry Teacher Education. *Education Sciences*, **2020**, 10, 170	2.2	5
68	Indonesian Pre-Service Science Teachers' Views on Socio-Scientific Issues-Based Science Learning. *Eurasia Journal of Mathematics, Science and Technology Education*, **2021**, 17, em1932	1.6	5
67	Chemistry under Your Skin? Experiments with Tattoo Inks for Secondary School Chemistry Students. *Journal of Chemical Education*, **2015**, 92, 129-134	2.4	4
66	Integration of a sustainability-oriented socio-scientific issue into the general chemistry curriculum: Examining the effects on student motivation and self-efficacy. *Sustainable Chemistry and Pharmacy*, **2020**, 15, 100232	3.9	4
65	The Bildung Theory: From von Humboldt to Klafki and Beyond. *Springer Texts in Education*, **2020**, 55-67	0.3	4
64	Teacher Pathways Through the Particulate Nature of Matter in Lower Secondary School Chemistry: Continuous Switching Between Different Models or a Coherent Conceptual Structure?. *Innovations in Science Education and Technology*, **2013**, 213-230	0.2	4
63	Exploring Indigenous Science to Identify Contents and Contexts for Science Learning in Order to Promote Education for Sustainable Development. *Education Sciences*, **2021**, 11, 114	2.2	4
62	From Some Historical Reflections on the Issue of Relevance of Chemistry Education Towards a Model and an Advance Organizer – A Prologue **2015**, 1-10		3
61	Professional Development of Chemistry Teachers for Relevant Chemistry Education **2015**, 369-386		3
60	Bildung für nachhaltige Entwicklung und, Green Chemistry im Chemieunterricht. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2011**, 18, 123-128	0.3	3
59	Computer und Multimedia im Chemieunterricht heute. Eine Einordnung aus didaktischer und lerntheoretischer Sicht. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2004**, 11, 121-126	0.3	3
58	Chemiedidaktik 2004. *Nachrichten Aus Der Chemie*, **2005**, 53, 317-321	0.1	3
57	Teilchenmodell oder Teilchenkonzept? Oder: Rastertunnelmikroskopie im Anfangsunterricht. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2001**, 8, 81-85	0.3	3
56	Phosphorus – a political element for transdisciplinary chemistry education. *Chemistry Teacher International*, **2019**,	1	3
55	Neue Ansätze zur Differenzierung im Schülerlabor. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2018**, 25, 255-262	0.3	3
54	Curriculum Development in Science Education **2017**, 169-181		2
53	Phosphatrückgewinnung – angewandte Umwelttechnik in Schule und Schülerlabor. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2019**, 26, 158-164	0.3	2
52	Exploring the Mysterious Substances, X and Y: Challenging Students' Thinking on Acid–Base Chemistry and Chemical Equilibrium. *Journal of Chemical Education*, **2018**, 95, 601-604	2.4	2

51	Ein Beitrag zum Verst□dnis der Relevanz des Chemieunterrichts. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2014**, 21, 175-180	0.3	2
50	Open Experimentation on Phenomena of Chemical Reactions via the Learning Company Approach in Early Secondary Chemistry Education. *Eurasia Journal of Mathematics, Science and Technology Education*, **2010**, 6,	1.6	2
49	Vorstellungen deutscher Chemielehrkr□fte □ber die Bedeutung und Ausrichtung des Chemielernens. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2009**, 16, 90-95	0.3	2
48	Unterrichtsbezogene Vorstellungen von Lehramtsstudierenden der Chemie am Beginn ihres Studiums und ihre Einordnung. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2008** , 15, 69-74	0.3	2
47	Modelle und Modelldenken im Chemieunterricht und ein Einblick in das Verst□dnis von erfahrenen Chemielehrkr□ften. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2008**, 15, 181-186	0.3	2
46	Supporting Reform in Science Education in Central and Eastern Europe - Reflections and Perspectives from the Project TEMPUS-SALiS. *Eurasia Journal of Mathematics, Science and Technology Education*, **2014**, 10,	1.6	2
45	Incorporating Sustainability in Higher Chemistry Education in Indonesia through Green Chemistry: Inspirations by Inquiring the Practice in a German University. *International Electronic Journal of Mathematics Education*, **2017**, 9, 1-7	1.2	2
44	Innovating Undergraduate General Chemistry by Integrating Sustainability-related Socio-Scientific Issues **2018**, 1, 3-8		2
43	Socio-scientific issues as contexts for relevant education and a case on tattooing in chemistry teaching **2018**, 29, 9		2
42	Learning about the Different Dimensions of Sustainability by Applying the Product Test Method in Science Classes594-610		2
41	A Case Study on Students□Application of Chemical Concepts and Use of Arguments in Teaching on the Sustainability-Oriented Chemistry Issue of Pesticides Use Under Inclusion of Different Scientific Worldviews. *Eurasia Journal of Mathematics, Science and Technology Education*, **2021**, 17, em1981	1.6	2
40	Secondary School Students and Internet Forums□A Survey of Student Views Contrasted with an Analysis of Internet Forum Posts. *Education Sciences*, **2019**, 9, 121	2.2	2
39	A Case Study on the Use of Contexts and Socio-Scientific Issues-Based Science Education by Pre-service Junior High School Science Teachers in Indonesia During Their Final Year Teaching Internship. *Frontiers in Education*, **2021**, 5,	2.1	2
38	Palm-Oil-Based Biodiesel in Indonesia: A Case Study on a Socioscientific Issue That Engages Students to Learn Chemistry and Its Impact on Society. *Journal of Chemical Education*, **2021**, 98, 2536-2548	2.4	2
37	The application of laser pointers for demonstration experiments in nanotechnology lessons at secondary school level **2017**,		1
36	Eine Studie zum Umgang von Sch□lerinnen und Sch□lern mit Internetforen und m□gliche Konsequenzen f□r den Chemieunterricht. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2019**, 26, 103-107	0.3	1
35	Nachhaltigkeit bewerten im Chemieunterricht. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2020**, 27, 365-372	0.3	1
34	Insights into Components of Prospective Science Teachers□Mental Models and Their Preferred Visual Representations of Atoms. *Education Sciences*, **2019**, 9, 154	2.2	1

33	Bildung f□ eine nachhaltige Entwicklung (BnE) in der Chemielehrerbildung. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2013**, 20, 66-72	0.3	1
32	Die Ver□ iderung fachbezogener Vorstellungen angehender Chemielehrkr□ fte □ er Unterricht w□ rend der Ausbildung □ eine Cross-Level Studie. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2011**, 18, 14-18	0.3	1
31	Forschungs- und Handlungsperspektiven f□ die Chemiedidaktik am Beginn des 21. Jahrhunderts. Ein Beitrag zur Diskussion □ er das Selbstverst□ dnis der Chemiedidaktik als wissenschaftliche Disziplin.. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2003**, 10, 171-175	0.3	1
30	Exploring Cluster Changes in Students□ Knowledge Structures Throughout General Chemistry. *Eurasia Journal of Mathematics, Science and Technology Education*, **2020**, 16,	1.6	1
29	Learning about the Different Dimensions of Sustainability by Applying the Product Test Method in Science Classes. *Impact of Meat Consumption on Health and Environmental Sustainability*, **2014**, 154-169	0.3	1
28	Evaluating Drawings to Explore Chemistry Teachers□ Pedagogical Attitudes **2015**, 259-278		1
27	The Idea of Filtered Information and The Learning about the Use of Chemistry Related Information in the Public **2015**, 185-203		1
26	Greening the Senior High School Chemistry Curriculum: An Action Research Initiative. *ACS Symposium Series*, **2020**, 55-68	0.4	1
25	CHAPTER 6:On the Development of Non-formal Learning Environments for Secondary School Students Focusing on Sustainability and Green Chemistry **2015**, 76-92		1
24	Nachhaltigkeitsbildung und Digitalisierung gemeinsam denken □ Lernen mit und □ er den nachhaltigen Einsatz von Tablets am Beispiel einer Augmented-Reality-Lernumgebung. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2021**, 28, 235-240	0.3	1
23	Enhancing Education for Sustainable Development Through Geographical Perspectives in Chemistry Teaching. *International Journal of Science and Mathematics Education*, **2021**, 19, 87-109	1.7	1
22	Exploring Chemistry Professors□ Methods of Highlighting the Relevancy of Chemistry: Opportunities, Obstacles, and Suggestions to Improve Students□ Motivation in Science Classrooms. *Education Sciences*, **2021**, 11, 13	2.2	1
21	An Analysis of the Orientation and Emphasis of Intended Grade-10 Chemistry Curricula as Represented in Textbooks from Different Chinese Communities. *Eurasia Journal of Mathematics, Science and Technology Education*, **2018**, 15,	1.6	1
20	Reflections on a Three-Year-Long Teacher-Centered, Participatory Action Research Experience on Teaching Chemical Bonding in a Swiss Vocational School. *Education Sciences*, **2018**, 8, 141	2.2	1
19	Titelbild: Nachhaltigkeitsbildung und Digitalisierung gemeinsam denken □ Lernen mit und □ er den nachhaltigen Einsatz von Tablets am Beispiel einer Augmented-Reality-Lernumgebung (CHEMKON 6/2021). *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2021**, 28, 231-231	0.3	1
18	Learning about Pesticide Use Adapted from Ethnoscience as a Contribution to Green and Sustainable Chemistry Education. *Education Sciences*, **2022**, 12, 227	2.2	1
17	An Analysis of the Visual Representation of Redox Reactions in Secondary Chemistry Textbooks from Different Chinese Communities. *Education Sciences*, **2019**, 9, 42	2.2	0
16	A systematic review of the green and sustainable chemistry education research literature in mainland China. *Sustainable Chemistry and Pharmacy*, **2021**, 21, 100446	3.9	0

15	Green Chemistry in der Schule. *Chemie in Unserer Zeit*, **2019**, 53, 412-420	0.2	0
14	Omega-3-Fettsäuren in Schülerlabor und Unterricht. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2017**, 24, 391-396	0.3	
13	Chemieunterricht und Chemiedidaktik an berufsbildenden Schulen. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2015**, 22, 119-124	0.3	
12	Lernen über digitale Medien in der Chemielehrerausbildung. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2015**, 22, 173-178	0.3	
11	The Learning Company Approach to Promote Active Chemistry Learning: Examples and Experiences from Lower Secondary Education in Germany **2014**, 165-187		
10	Chemistry teacher education – recent developments. *Chemistry Education Research and Practice*, **2009**, 10, 75	2.1	
9	Methodische Innovationen für die Chemielehre. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2010**, 17, 124-130	0.3	
8	Von der kovalenten Bindung zur Struktur des Wassermoleküls. Ein Beispiel für kooperatives Lernen in der Sekundarstufe I. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2004**, 11, 69-75	0.3	
7	Vergleich des Fettgehalts von Kartoffelchips und Kartoffelchips light. *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2004**, 11, 195-196	0.3	
6	Learning about Sustainability in a Non-Formal Laboratory Context for Secondary Level Students864-879		
5	Kooperatives Lernen im Chemieunterricht. Konzipierung und Untersuchung von Unterrichtseinheiten durch Partizipative Aktionsforschung **2007**, 209-230		
4	Learning About Sustainability in a Non-Formal Laboratory Context for Secondary Level Students **2018**, 663-681		
3	Learning about Sustainability in a Non-Formal Laboratory Context for Secondary Level Students. *Impact of Meat Consumption on Health and Environmental Sustainability*, **2014**, 229-244	0.3	
2	Student Teachers' Needs and Concerns **2014**, 1-3		
1	Grüne und nachhaltige Chemie bereits im Chemieunterricht der SI? – Das Projekt „Kosmetics go green" *Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik*, **2021**, 28, 155-161	0.3	