

# Stefan Huber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5192354/publications.pdf>

Version: 2024-02-01

48  
papers

1,491  
citations

331670

21  
h-index

330143

37  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Embodied numerosity: Implicit hand-based representations influence symbolic number processing across cultures. <i>Cognition</i> , 2010, 116, 251-266.	2.2	186
2	Walk the number line – An embodied training of numerical concepts. <i>Trends in Neuroscience and Education</i> , 2013, 2, 74-84.	3.1	117
3	Learning and development of embodied numerosity. <i>Cognitive Processing</i> , 2012, 13, 271-274.	1.4	83
4	Combining brain stimulation and video game to promote long-term transfer of learning and cognitive enhancement. <i>Scientific Reports</i> , 2016, 6, 22003.	3.3	81
5	Methodological aspects to be considered when measuring the approximate number system (ANS) – a research review. <i>Frontiers in Psychology</i> , 2015, 6, 295.	2.1	70
6	Unbounding the mental number line – new evidence on children's spatial representation of numbers. <i>Frontiers in Psychology</i> , 2013, 4, 1021.	2.1	51
7	The influence of math anxiety on symbolic and non-symbolic magnitude processing. <i>Frontiers in Psychology</i> , 2015, 6, 1621.	2.1	44
8	Operational Momentum Affects Eye Fixation Behaviour. <i>Quarterly Journal of Experimental Psychology</i> , 2014, 67, 1614-1625.	1.1	43
9	Two-digit number processing: holistic, decomposed or hybrid? A computational modelling approach. <i>Psychological Research</i> , 2011, 75, 290-306.	1.7	42
10	Reduction but no shift in brain activation after arithmetic learning in children: A simultaneous fNIRS-EEG study. <i>Scientific Reports</i> , 2018, 8, 1707.	3.3	41
11	Bilateral Bi-Cephalic Tdcs with Two Active Electrodes of the Same Polarity Modulates Bilateral Cognitive Processes Differentially. <i>PLoS ONE</i> , 2013, 8, e71607.	2.5	39
12	Adaptive processing of fractions – Evidence from eye-tracking. <i>Acta Psychologica</i> , 2014, 148, 37-48.	1.5	38
13	Insights into numerical cognition: considering eye-fixations in number processing and arithmetic. <i>Psychological Research</i> , 2016, 80, 334-359.	1.7	37
14	Spatial – Numerical and Ordinal Positional Associations Coexist in Parallel. <i>Frontiers in Psychology</i> , 2016, 7, 438.	2.1	36
15	A general model framework for multisymbol number comparison.. <i>Psychological Review</i> , 2016, 123, 667-695.	3.8	36
16	Decimal fraction representations are not distinct from natural number representations – evidence from a combined eye-tracking and computational modeling approach. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 172.	2.0	34
17	Embodied markedness of parity? Examining handedness effects on parity judgments. <i>Psychological Research</i> , 2015, 79, 963-977.	1.7	33
18	Strategies in unbounded number line estimation? Evidence from eye-tracking. <i>Cognitive Processing</i> , 2015, 16, 359-363.	1.4	32

#	ARTICLE	IF	CITATIONS
19	Dissociating Number Line Estimations from Underlying Numerical Representations. Quarterly Journal of Experimental Psychology, 2014, 67, 991-1003.	1.1	31
20	An integration of competing accounts on children's number line estimation. Frontiers in Psychology, 2015, 6, 884.	2.1	29
21	Cognitive control in number magnitude processing: evidence from eye-tracking. Psychological Research, 2014, 78, 539-548.	1.7	27
22	A Systematic Investigation of Accuracy and Response Time Based Measures Used to Index ANS Acuity. PLoS ONE, 2016, 11, e0163076.	2.5	23
23	Individual differences influence two-digit number processing, but not their analog magnitude processing: a large-scale online study. Psychological Research, 2019, 83, 1444-1464.	1.7	20
24	Differential influences of unilateral tDCS over the intraparietal cortex on numerical cognition. Frontiers in Human Neuroscience, 2015, 9, 110.	2.0	19
25	Same Same, but Different: Word and Sentence Reading in German and English. Scientific Studies of Reading, 2016, 20, 203-219.	2.0	19
26	Place-value understanding in number line estimation predicts future arithmetic performance. British Journal of Developmental Psychology, 2016, 34, 502-517.	1.7	18
27	Sex differences in number line estimation: The role of numerical estimation. British Journal of Psychology, 2017, 108, 334-350.	2.3	18
28	Toward a model framework of generalized parallel componential processing of multi-symbol numbers.. Journal of Experimental Psychology: Learning Memory and Cognition, 2015, 41, 732-745.	0.9	16
29	Training the equidistant principle of number line spacing. Cognitive Processing, 2016, 17, 243-258.	1.4	16
30	Comparing a single case to a control group – Applying linear mixed effects models to repeated measures data. Cortex, 2015, 71, 148-159.	2.4	15
31	Processing multi-digit numbers: a translingual eye-tracking study. Psychological Research, 2016, 80, 422-433.	1.7	15
32	Processing symbolic and non-symbolic proportions: Domain-specific numerical and domain-general processes in intraparietal cortex. Brain Research, 2019, 1714, 133-146.	2.2	14
33	A Computational Modeling Approach on Three-Digit Number Processing. Topics in Cognitive Science, 2013, 5, 317-334.	1.9	13
34	Processing of Numerical and Proportional Quantifiers. Cognitive Science, 2015, 39, 1504-1536.	1.7	13
35	A general number-to-space mapping deficit in developmental dyscalculia. Research in Developmental Disabilities, 2015, 43-44, 32-42.	2.2	13
36	Unbounded number line estimation as a measure of numerical estimation. PLoS ONE, 2019, 14, e0213102.	2.5	13

#	ARTICLE	IF	CITATIONS
37	Using propensity score matching to construct experimental stimuli. Behavior Research Methods, 2017, 49, 1107-1119.	4.0	12
38	Influences of presentation format and task instruction on children's number line estimation. Cognitive Development, 2018, 47, 53-62.	1.3	12
39	Multiplication facts and the mental number line: evidence from unbounded number line estimation. Psychological Research, 2015, 79, 95-103.	1.7	11
40	Set size influences the relationship between ANS acuity and math performance: a result of different strategies?. Psychological Research, 2019, 83, 590-612.	1.7	11
41	Dancing with the SNARC: Measuring spatial-numerical associations on a digital dance mat.. Canadian Journal of Experimental Psychology, 2016, 70, 306-315.	0.8	9
42	On the interrelation of multiplication and division in secondary school children. Frontiers in Psychology, 2013, 4, 740.	2.1	8
43	Testing a model of componential processing of multi-symbol numbers—evidence from measurement units. Psychonomic Bulletin and Review, 2015, 22, 1417-1423.	2.8	8
44	In touch with numbers: Embodied and situated effects in number magnitude comparison. Journal of Cognitive Psychology, 2015, 27, 478-489.	0.9	6
45	The influence of number magnitude on continuous swiping movements. Journal of Numerical Cognition, 2018, 4, 297-316.	1.2	5
46	Magnitude estimation is influenced by social power. Journal of Numerical Cognition, 2017, 3, 147-163.	1.2	3
47	Negative Numbers are not yet Automatically Associated with Space in 6 <sup>th</sup> Graders. Journal of Cognition and Development, 2019, 20, 611-633.	1.3	1
48	Spatial Presentations, but Not Response Formats Influence Spatial-Numerical Associations in Adults. Frontiers in Psychology, 2018, 9, 2608.	2.1	0