# Petra Jansen

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2861032/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 121 papers | 1,897 citations | 257429 24 h-index | 345203 36 g-index |
| 129 all docs | 129 docs citations | 129 times ranked | 1531 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Relation of Mental Rotation and Postural Stability. Journal of Motor Behavior, 2023, 55, 580-593. | 0.9 | 6 |
| 2 | Interactions between simultaneous aerobic exercise and mental rotation. Current Psychology, 2023, 42, 4682-4695. | 2.8 | 2 |
| 3 | A clinical decision support system in back pain helps to find the diagnosis: a prospective correlation study. Archives of Orthopaedic and Trauma Surgery, 2023, 143, 621-625. | 2.4 | 3 |
| 4 | Does mindfulness help to overcome stereotype threat in mental rotation in younger and older adolescents?. Psychological Research, 2023, 87, 624-635. | 1.7 | 2 |
| 5 | Sports and mathematical abilities in primary school-aged children: How important are spatial abilities? An explorative study. Current Psychology, 2022, 41, 7132-7141. | 2.8 | 4 |
| 6 | Does anodal tDCS improve basketball performance? A randomized controlled trial. European Journal of Sport Science, 2022, 22, 126-135. | 2.7 | 6 |
| 7 | What Can Affect Competition Anxiety in Athletes? The Role of Self-Compassion and Repetitive Negative Thinking. Psychological Reports, 2022, 125, 2009-2028. | 1.7 | 8 |
| 8 | Are explicit and implicit affective attitudes toward different body shape categories related to the own body-satisfaction in young women? The role of mindfulness, self-compassion and social media activity. Psychological Research, 2022, 86, 698-710. | 1.7 | 1 |
| 9 | Are There Gender Differences in Executive Functions in Musicians and Non-Musicians?. Journal of Individual Differences, 2022, 43, 20-27. | 1.0 | 2 |
| 10 | Manual training of mental rotation performance: Visual representation of rotating figures is the main driver for improvements. Quarterly Journal of Experimental Psychology, 2022, 75, 695-711. | 1.1 | 4 |
| 11 | Pupillometry as a measure of cognitive load in mental rotation tasks with abstract and embodied figures. Psychological Research, 2022, 86, 1382-1396. | 1.7 | 5 |
| 12 | Well-being and its relationship with sports and physical activity of students during the coronavirus pandemic. German Journal of Exercise and Sport Research, 2022, 52, 50-57. | 1.2 | 10 |
| 13 | Affective explicit and implicit attitudes towards vegetarian and vegan food consumption: The role of mindfulness. Appetite, 2022, 169, 105831. | 3.7 | 14 |
| 14 | Diverging implicit measurement of sense of agency using interval estimation and Libet clock. Consciousness and Cognition, 2022, 99, 103287. | 1.5 | 15 |
| 15 | Sex differences in mental rotation: the role of stereotyped material, perceived performance and extrinsic spatial ability. Journal of Cognitive Psychology, 2022, 34, 400-409. | 0.9 | 9 |
| 16 | Making peace with disliked others: the effects of a short loving-kindness meditation on implicit and explicit emotional evaluations. BMC Psychology, 2022, 10, 110. | 2.1 | 0 |
| 17 | Mental rotation with colored cube figures. Consciousness and Cognition, 2022, 102, 103350. | 1.5 | 2 |
| 18 | Using linear mixed models to analyze learning processes within sessions improves detection of treatment effects: An exemplary study of chronometric mental rotation. Methods in Psychology, 2022, 6, 100092. | 2.2 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Aquatic therapy in stroke rehabilitation: systematic review and metaâ€analysis. Acta Neurologica Scandinavica, 2021, 143, 221-241. | 2.1 | 13 |
| 20 | Influence of arousal on intentional binding: Impaired action binding, intact outcome binding. Attention, Perception, and Psychophysics, 2021, 83, 103-113. | 1.3 | 9 |
| 21 | The practice of judo: how does it relate to different spatial abilities?. Spatial Cognition and Computation, 2021, 21, 67-88. | 1.2 | 5 |
| 22 | Sex-Dependent Differences in Symptom-Related Disability Due to Lumbar Spinal Stenosis. Journal of Pain Research, 2021, Volume 14, 747-755. | 2.0 | 3 |
| 23 | Self-compassion and repetitive thinking in relation to depressive mood and fear of the future. German Journal of Exercise and Sport Research, 2021, 51, 232-236. | 1.2 | 6 |
| 24 | Does repetitive thinking mediate the relationship between self-compassion and competition anxiety in athletes?. Cogent Psychology, 2021, 8, . | 1.3 | 8 |
| 25 | Motor affordance or gender-stereotyped nature of physical activity â€“ what is more important for the mental rotation performance of female athletes?. Journal of Cognitive Psychology, 2021, 33, 568-580. | 0.9 | 2 |
| 26 | Happy Enough to Relax? How Positive and Negative Emotions Activate Different Muscular Regions in the Back - an Explorative Study. Frontiers in Psychology, 2021, 12, 511746. | 2.1 | 7 |
| 27 | The Individual Green-Washing Effect in E-Mobility: Emotional Evaluations of Electric and Gasoline Cars. Frontiers in Psychology, 2021, 12, 594844. | 2.1 | 8 |
| 28 | The impact of visual-spatial abilities on theory of mind in children and adolescents with autism spectrum disorder. Research in Developmental Disabilities, 2021, 114, 103960. | 2.2 | 8 |
| 29 | The effect of mindfulness and stereotype threat in mental rotation: a pupillometry study. Journal of Cognitive Psychology, 2021, 33, 861-876. | 0.9 | 2 |
| 30 | Are implicit affective evaluations related to mental rotation performance?. Consciousness and Cognition, 2021, 94, 103178. | 1.5 | 3 |
| 31 | Does self-compassion relate to the fear of the future during the 2020 coronavirus pandemic? A cross-cultural study. Cogent Psychology, 2021, 8, . | 1.3 | 1 |
| 32 | Nonâ€invasive brain stimulation in modulation of mental rotation ability: A systematic review and metaâ€analysis. European Journal of Neuroscience, 2021, 54, 7493-7512. | 2.6 | 5 |
| 33 | The effects of subliminal or supraliminal sadness induction on the sense of body ownership and the role of dissociative symptoms. Scientific Reports, 2021, 11, 22274. | 3.3 | 2 |
| 34 | Prevention of severe knee injuries in menâ€™s elite football by implementing specific training modules. Knee Surgery, Sports Traumatology, Arthroscopy, 2020, 28, 519-527. | 4.2 | 22 |
| 35 | Ergometer Training in Stroke Rehabilitation: Systematic Review and Meta-analysis. Archives of Physical Medicine and Rehabilitation, 2020, 101, 674-689. | 0.9 | 20 |
| 36 | Resistance training in stroke rehabilitation: systematic review and meta-analysis. Clinical Rehabilitation, 2020, 34, 1173-1197. | 2.2 | 38 |

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|---|---|---|---|
| 37 | A novel approach to analyzing all trials in chronometric mental rotation and description of a flexible extended library of stimuli. Spatial Cognition and Computation, 2020, 20, 234-256. | 1.2 | 13 |
| 38 | Mental rotation with abstract and embodied objects as stimuli: evidence from event-related potential (ERP). Experimental Brain Research, 2020, 238, 525-535. | 1.5 | 13 |
| 39 | Body image and the relation to mindfulness and self-compassion in physical education students: a cross-cultural study. Anesthesia, Intensive Care and Pain in Neonates and Children, 2020, 8, 9172. | 2.4 | 0 |
| 40 | ERMENTAL: A Simple Web Environment to Design and Teach the Effects of Cognitive Training Experiments. Lecture Notes in Computer Science, 2020, , 303-308. | 1.3 | 0 |
| 41 | The relationship between theory of mind and mental rotation ability in preschool-aged children. Cogent Psychology, 2019, 6, . | 1.3 | 4 |
| 42 | The Role of a Decision Support System in Back Pain Diagnoses: A Pilot Study. BioMed Research International, 2019, 2019, 1-5. | 1.9 | 6 |
| 43 | Cognition embodied: mental rotation is faster for objects that imply a greater bodyâ€“object interaction. Journal of Cognitive Psychology, 2019, 31, 876-890. | 0.9 | 5 |
| 44 | The Relationship among Cognition, Psychological Well-being, Physical Activity and Demographic Data in People over 80 Years of Age. Experimental Aging Research, 2019, 45, 400-409. | 1.2 | 9 |
| 45 | Mindfulness-based intervention for tennis players: a quasi-experimental pilot study. BMJ Open Sport and Exercise Medicine, 2019, 5, e000584. | 2.9 | 14 |
| 46 | The relation between mental rotation and handedness is a consequence of how handedness is measured. Brain and Cognition, 2019, 130, 28-36. | 1.8 | 10 |
| 47 | Relation of injuries and psychological symptoms in amateur soccer players. BMJ Open Sport and Exercise Medicine, 2019, 5, e000522. | 2.9 | 14 |
| 48 | Is tDCS an Adjunct Ergogenic Resource for Improving Muscular Strength and Endurance Performance? A Systematic Review. Frontiers in Psychology, 2019, 10, 1127. | 2.1 | 29 |
| 49 | Mental Rotation Test Performance in Brazilian and German Adolescents: The Role of Sex, Processing Speed, and Physical Activity in Two Different Cultures. Frontiers in Psychology, 2019, 10, 945. | 2.1 | 2 |
| 50 | Dopamine and sense of agency: Determinants in personality and substance use. PLoS ONE, 2019, 14, e0214069. | 2.5 | 11 |
| 51 | The Choice of Sports Affects Mental Rotation Performance in Adolescents. Frontiers in Neuroscience, 2019, 13, 224. | 2.8 | 7 |
| 52 | Working Desks as a Classification Tool for Personality Style: A Pilot Study for Validation. Frontiers in Psychology, 2019, 10, 2588. | 2.1 | 0 |
| 53 | Injury incidence in semi-professional football claims for increased need of injury prevention in elite junior football. Knee Surgery, Sports Traumatology, Arthroscopy, 2019, 27, 978-984. | 4.2 | 19 |
| 54 | Different practice effects for males and females by psychometric and chronometric mental-rotation tests. Journal of Cognitive Psychology, 2019, 31, 92-103. | 0.9 | 11 |

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|---|---|---|---|
| 55 | Motor ability and working memory in Omani and German primary school-aged children. PLoS ONE, 2019, 14, e0209848. | 2.5 | 2 |
| 56 | Sex Differences in Visuospatial Processing. , 2019, , 81-110. | | 19 |
| 57 | Sport â€“ differenziert betrachtet. , 2019, , 77-97. | | 0 |
| 58 | Achtsamkeit im Leistungssport. , 2019, , 211-230. | | 1 |
| 59 | Achtsamkeit im Freizeitsport. , 2019, , 153-209. | | 0 |
| 60 | Achtsamkeitsverfahren im Sport. , 2019, , 115-132. | | 0 |
| 61 | Kritische Reflexion der Achtsamkeitsverfahren. , 2019, , 59-76. | | 0 |
| 62 | Leistung im Sport. , 2019, , 99-114. | | 0 |
| 63 | Achtsamkeit in der Rehabilitation im Leistungssport. , 2019, , 133-149. | | 0 |
| 64 | Achtsamkeit im Sport. , 2019, , . | | 3 |
| 65 | Injury prevention and return to play strategies in elite football: no consent between players and team coaches. Archives of Orthopaedic and Trauma Surgery, 2018, 138, 985-992. | 2.4 | 31 |
| 66 | Motor and Visual-spatial Cognition Development in Primary School-Aged Children in Cameroon and Germany. Journal of Genetic Psychology, 2018, 179, 30-39. | 1.2 | 6 |
| 67 | Increased physical education at school improves the visual-spatial cognition during adolescence. Educational Psychology, 2018, 38, 964-976. | 2.7 | 14 |
| 68 | Investigating Cognitive Performance Deficits in Male and Female Soccer Players after a 4-week Heading- Training Programme: A Controlled Study. Brain Impairment, 2018, 19, 133-140. | 0.7 | 3 |
| 69 | Gender Differences and the Relationship of Motor, Cognitive and Academic Achievement in Omani Primary School-Aged Children. Frontiers in Psychology, 2018, 9, 2477. | 2.1 | 9 |
| 70 | Childhood preference for spatial toys. Gender differences and relationships with mental rotation in STEM and non-STEM students. Learning and Individual Differences, 2018, 68, 108-115. | 2.7 | 29 |
| 71 | Cognitive motor coordination training and the improvement of visualâ€spatial cognition in office work. International Journal of Training and Development, 2018, 22, 233-238. | 1.3 | 4 |
| 72 | Cluster-randomized, controlled evaluation of a teacher led multi factorial school based back education program for 10 to 12-year old children. BMC Pediatrics, 2018, 18, 312. | 1.7 | 19 |

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|---|---|---|---|
| 73 | Sex of human stimulus matters: female and male stimuli are processed differently in mental rotation tasks. Journal of Cognitive Psychology, 2018, 30, 854-862. | 0.9 | 4 |
| 74 | Climbing Sports Effect Specific Visual-Spatial Abilities. Journal of Imagery Research in Sport and Physical Activity, 2018, 13, . | 1.1 | 3 |
| 75 | Influence of sex-stereotyped stimuli on the mental-rotation performance of elderly persons. Experimental Aging Research, 2018, 44, 284-296. | 1.2 | 8 |
| 76 | Sex differences in a chronometric mental rotation test with cube figures. NeuroReport, 2018, 29, 870-875. | 1.2 | 6 |
| 77 | Laterality-Specific Training Improves Mental Rotation Performance in Young Soccer Players. Frontiers in Psychology, 2018, 9, 220. | 2.1 | 8 |
| 78 | Mental rotation and handedness: differences in object-based and egocentric transformations. Journal of Cognitive Psychology, 2018, 30, 511-519. | 0.9 | 3 |
| 79 | Greater happiness through music practice. , 2018, 08, . | | 2 |
| 80 | Motor expertise and performance in spatial tasks: A meta-analysis. Human Movement Science, 2017, 54, 110-124. | 1.4 | 79 |
| 81 | Stimulus size matters: do life-sized stimuli induce stronger embodiment effects in mental rotation?. Journal of Cognitive Psychology, 2017, 29, 701-716. | 0.9 | 5 |
| 82 | The gender effect in 3D-Mental-rotation performance with familiar and gender-stereotyped objects â€“ a study with elementary school children. Journal of Cognitive Psychology, 2017, 29, 717-730. | 0.9 | 26 |
| 83 | The association between obesity and mental rotation ability in an adolescent sample. Obesity Research and Clinical Practice, 2017, 11, 127-129. | 1.8 | 3 |
| 84 | Cognitive Motor Coordination Training Improves Mental Rotation Performance in Primary Schoolâ€Aged Children. Mind, Brain, and Education, 2017, 11, 176-180. | 1.9 | 23 |
| 85 | Approaching behavior reduces gender differences in the mental rotation performance. Psychological Research, 2017, 81, 1192-1200. | 1.7 | 6 |
| 86 | Effects of Karate Training Versus Mindfulness Training on Emotional Well-Being and Cognitive Performance in Later Life. Research on Aging, 2017, 39, 1118-1144. | 1.8 | 34 |
| 87 | Mental Rotation with Egocentric and Object-Based Transformations. Quarterly Journal of Experimental Psychology, 2017, 70, 2319-2330. | 1.1 | 19 |
| 88 | Psychological factors as risk factors for poor hip function after total hip arthroplasty. Therapeutics and Clinical Risk Management, 2017, Volume 13, 237-244. | 2.0 | 32 |
| 89 | Karate and Dance Training to Improve Balance and Stabilize Mood in Patients with Parkinsonâ€™s Disease: A Feasibility Study. Frontiers in Medicine, 2017, 4, 237. | 2.6 | 10 |
| 90 | Object-Based and Egocentric Mental Rotation Performance in Women With Breast Cancer. Women's Health Bulletin, 2017, In Press, . | 0.7 | 0 |

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|---|---|---|---|
| 91 | Gender differences in mental rotation in Oman and Germany. Learning and Individual Differences, 2016, 51, 284-290. | 2.7 | 14 |
| 92 | Sex differences in chronometric mental rotation with human bodies. Psychological Research, 2016, 80, 974-984. | 1.7 | 33 |
| 93 | Developmental Changes in Mental Rotation: A Dissociation Between Object-Based and Egocentric Transformations. Advances in Cognitive Psychology, 2016, 12, 67-78. | 0.5 | 15 |
| 94 | Can girls think spatially? Influence of implicit gender stereotype activation and rotational axis on fourth graders' mental-rotation performance. Learning and Individual Differences, 2015, 37, 169-175. | 2.7 | 35 |
| 95 | Factors Influencing Mental-Rotation with Action-based Gender-Stereotyped Objectsâ€"The Role of Fine Motor Skills. Current Psychology, 2015, 34, 466-476. | 2.8 | 12 |
| 96 | Emotion and affect in mental imagery: do fear and anxiety manipulate mental rotation performance?. Frontiers in Psychology, 2014, 5, 792. | 2.1 | 11 |
| 97 | Embodied mental rotation: a special link between egocentric transformation and the bodily self. Frontiers in Psychology, 2014, 5, 505. | 2.1 | 35 |
| 98 | Sex-specific lateralization of event-related potential effects during mental rotation of polygons. NeuroReport, 2014, 25, 848-853. | 1.2 | 8 |
| 99 | Mental rotation and motor performance in children with developmental dyslexia. Research in Developmental Disabilities, 2014, 35, 741-754. | 2.2 | 18 |
| 100 | Correlation of motor skill, mental rotation, and working memory in 3- to 6-year-old children. European Journal of Developmental Psychology, 2014, 11, 560-573. | 1.8 | 51 |
| 101 | Object-based and egocentric mental rotation performance in older adults: The importance of gender differences and motor ability. Aging, Neuropsychology, and Cognition, 2014, 21, 296-316. | 1.3 | 32 |
| 102 | The improvement in mental rotation performance in primary school-aged children after a two-week motor-training. Educational Psychology, 2013, 33, 75-86. | 2.7 | 25 |
| 103 | Mental rotation performance in soccer players and gymnasts in an object-based mental rotation task. Advances in Cognitive Psychology, 2013, 9, 92-8. | 0.5 | 21 |
| 104 | Mental Rotation Performance in Male Soccer Players. PLoS ONE, 2012, 7, e48620. | 2.5 | 54 |
| 105 | Different mental rotation performance in students of music, sport and education. Learning and Individual Differences, 2012, 22, 159-163. | 2.7 | 89 |
| 106 | Gender-specific effects of artificially induced gender beliefs in mental rotation. Learning and Individual Differences, 2012, 22, 350-353. | 2.7 | 40 |
| 107 | Effects of Cognitive, Motor, and Karate Training on Cognitive Functioning and Emotional Well-Being of Elderly People. Frontiers in Psychology, 2012, 3, 40. | 2.1 | 40 |
| 108 | Impaired mental rotation performance in overweight children. Appetite, 2011, 56, 766-769. | 3.7 | 37 |

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|---|---|---|---|
| 109 | Mental rotation in female fraternal twins: Evidence for intra-uterine hormone transfer?. Biological Psychology, 2011, 86, 90-93. | 2.2 | 73 |
| 110 | Gender differences in pre-adolescentsâ€™ mental-rotation performance: Do they depend on grade and stimulus type?. Personality and Individual Differences, 2011, 50, 1238-1242. | 2.9 | 82 |
| 111 | Single-Sex School Girls Outperform Girls Attending a Co-Educative School in Mental Rotation Accuracy. Sex Roles, 2011, 65, 704-711. | 2.4 | 8 |
| 112 | Mental rotation performance and the effect of gender in fourth graders and adults. European Journal of Developmental Psychology, 2010, 7, 432-444. | 1.8 | 74 |
| 113 | Preschoolers' Mental Rotation: Sex Differences in Hemispheric Asymmetry. Journal of Cognitive Neuroscience, 2010, 22, 1244-1250. | 2.3 | 45 |
| 114 | The Relation Between Motor Development and Mental Rotation Ability in 5- to 6-Year-old Children. International Journal of Developmental Sciences, 2010, 4, 67-75. | 0.5 | 36 |
| 115 | Pairwise Presentation of Cube Figures Does Not Reduce Gender Differences in Mental Rotation Performance. Journal of Individual Differences, 2010, 31, 101-105. | 1.0 | 12 |
| 116 | Spatial Knowledge Acquisition in Younger and Elderly Adults. Experimental Psychology, 2010, 57, 54-60. | 0.7 | 59 |
| 117 | Gender Differences in Mental Rotation Across Adulthood. Experimental Aging Research, 2009, 36, 94-104. | 1.2 | 58 |
| 118 | Aspects of Code-Specific Memory Development. Current Psychology, 2008, 27, 162-168. | 2.8 | 2 |
| 119 | Gender Differences in the Mental Rotations Test (MRT) Are Not Due to Task Complexity. Journal of Individual Differences, 2008, 29, 130-133. | 1.0 | 23 |
| 120 | Moving in synchrony with an avatar â€“ presenting a novel and unbiased body sway synchronization paradigm. Current Psychology, 0, , 1. | 2.8 | 2 |
| 121 | Emotional evaluations of pictures of female and male soccer players. International Journal of Sport and Exercise Psychology, 0, , 1-14. | 2.1 | 0 |