

Interpersonal Autonomic Physiology: A Systematic Review

Personality and Social Psychology Review

21, 99-141

DOI: [10.1177/1088868316628405](https://doi.org/10.1177/1088868316628405)

Citation Report

#	ARTICLE	IF	CITATIONS
1	An active inference theory of allostasis and interoception in depression. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20160011.	1.8	314
2	Increase in Synchronization of Autonomic Rhythms between Individuals When Listening to Music. <i>Frontiers in Physiology</i> , 2017, 8, 785.	1.3	43
3	State of the Art of Interpersonal Physiology in Psychotherapy: A Systematic Review. <i>Frontiers in Psychology</i> , 2017, 8, 2053.	1.1	55
4	On Measuring and Modeling Physiological Synchrony in Dyads. <i>Multivariate Behavioral Research</i> , 2018, 53, 521-543.	1.8	64
5	Biosignals reflect pair-dynamics in collaborative work: EDA and ECG study of pair-programming in a classroom environment. <i>Scientific Reports</i> , 2018, 8, 3138.	1.6	45
6	Cardiovascular indexes of threat impair responsiveness in situations of conflicting interests. <i>International Journal of Psychophysiology</i> , 2018, 123, 1-7.	0.5	18
7	Directly assessing interpersonal RSA influences in the frequency domain: An illustration with generalized partial directed coherence. <i>Psychophysiology</i> , 2018, 55, e13054.	1.2	4
8	When couples' hearts beat together: Synchrony in heart rate variability during conflict predicts heightened inflammation throughout the day. <i>Psychoneuroendocrinology</i> , 2018, 93, 107-116.	1.3	49
9	More than a feeling: A unified view of stress measurement for population science. <i>Frontiers in Neuroendocrinology</i> , 2018, 49, 146-169.	2.5	490
10	A Fitting Approach to Construct and Measurement Alignment. <i>Organizational Research Methods</i> , 2018, 21, 592-632.	5.6	50
11	The potential of wearable technology for monitoring social interactions based on interpersonal synchrony. , 2018, , .		4
12	Using Students' Physiological Synchrony to Quantify the Classroom Emotional Climate. , 2018, , .		12
13	Unobtrusive Recognition of Socio-Affective Dynamics During Human Interactions Using Wearables and Smartphones. , 2018, , .		0
14	Unobtrusive Assessment of Students' Emotional Engagement during Lectures Using Electrodermal Activity Sensors. , 2018, 2, 1-21.		107
15	Beyond Coding Interaction. , 0, , 142-162.		6
16	Brain-to-brain synchrony in parent-child dyads and the relationship with emotion regulation revealed by fNIRS-based hyperscanning. <i>NeuroImage</i> , 2018, 178, 493-502.	2.1	245
17	Profiling sympathetic arousal in a physics course: How active are students?. <i>Journal of Computer Assisted Learning</i> , 2018, 34, 397-408.	3.3	58
18	Well-Being Correlates of Perceived Positivity Resonance: Evidence From Trait and Episode-Level Assessments. <i>Personality and Social Psychology Bulletin</i> , 2018, 44, 1631-1647.	1.9	44

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19	Physiological linkage and affective dynamics in dyadic interactions between adolescents and their mothers. <i>Developmental Psychobiology</i> , 2018, 60, 582-594.	0.9	32
20	Empathy, Challenge, and Psychophysiological Activation in Therapistâ€“Client Interaction. <i>Frontiers in Psychology</i> , 2018, 9, 530.	1.1	26
21	The emergence of team resilience: A multilevel conceptual model of facilitating factors. <i>Journal of Occupational and Organizational Psychology</i> , 2018, 91, 729-768.	2.6	81
22	Embodied Coordination and Psychotherapeutic Outcome: Beyond Direct Mappings. <i>Frontiers in Psychology</i> , 2018, 9, 1257.	1.1	14
23	Monitoring in collaborative learning: Co-occurrence of observed behavior and physiological synchrony explored. <i>Computers in Human Behavior</i> , 2018, 87, 337-347.	5.1	61
24	A systematic review of parentâ€“child synchrony: It is more than skin deep. <i>Developmental Psychobiology</i> , 2018, 60, 674-691.	0.9	99
25	Psychophysiological Synchrony During Verbal Interaction in Romantic Relationships. <i>Family Process</i> , 2019, 58, 716-733.	1.4	42
26	Going beyond what is visible: What multichannel data can reveal about interaction in the context of collaborative learning?. <i>Computers in Human Behavior</i> , 2019, 96, 235-245.	5.1	72
27	Multiscale movement coordination dynamics in collaborative team problem solving. <i>Applied Ergonomics</i> , 2019, 79, 143-151.	1.7	31
28	Parents Mimic and Influence Their Infantâ€™s Autonomic State through Dynamic Affective State Matching. <i>Current Biology</i> , 2019, 29, 2415-2422.e4.	1.8	41
29	Modeling Team-level Multimodal Dynamics during Multiparty Collaboration. , 2019, , .		21
30	Interpersonal synchrony feels good but impedes self-regulation of affect. <i>Scientific Reports</i> , 2019, 9, 14691.	1.6	54
31	Beyond Dyadic Coordination: Multimodal Behavioral Irregularity in Triads Predicts Facets of Collaborative Problem Solving. <i>Cognitive Science</i> , 2019, 43, e12787.	0.8	36
32	Emotional regulation in collaborative learning: when do higher education students activate group level regulation in the face of challenges?. <i>Studies in Higher Education</i> , 2019, 44, 1747-1757.	2.9	61
33	Physiological feelings. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 103, 267-304.	2.9	121
34	Social and Physiological Context can Affect the Meaning of Physiological Synchrony. <i>Scientific Reports</i> , 2019, 9, 8222.	1.6	26
35	Dynamics of Visual Attention in Multiparty Collaborative Problem Solving using Multidimensional Recurrence Quantification Analysis. , 2019, , .		15
36	Studying the Process of Psychoanalytic Psychotherapy: Discursive and Embodied Aspects. <i>British Journal of Psychotherapy</i> , 2019, 35, 217-232.	0.1	15

#	ARTICLE	IF	CITATIONS
37	Causation and Chance: Integrating the Dynamical Systems Approach with Statistical Thinking. , 2019, , 1-20.		1
38	The Process of Psychotherapy. , 2019, , .		28
39	Measuring empathy: A statistical physics grounded approach. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120979.	1.2	16
40	Examining shared monitoring in collaborative learning: A case of a recurrence quantification analysis approach. Computers in Human Behavior, 2019, 100, 335-344.	5.1	34
41	Marching to the beat of your own drum?. Biological Psychology, 2019, 144, 37-45.	1.1	5
42	Using Unobtrusive Wearable Sensors to Measure the Physiological Synchrony Between Presenters and Audience Members. , 2019, 3, 1-19.		43
43	Patient Extratherapeutic Interpersonal Problems and Response to Psychotherapy for Depression. American Journal of Psychotherapy, 2019, 72, 101-122.	0.4	5
44	Analytic approaches for the combination of autonomic and neural activity in the assessment of physiological synchrony. , 2019, , .		2
45	Training in psychotherapy: a call for embodied and psychophysiological approaches. Research in Psychotherapy: Psychopathology, Process and Outcome, 2019, 22, 395.	0.4	10
46	Spectral EEG-based classification for operator dyadsâ€™ workload and cooperation level estimation. , 2019, , .		8
47	Preliminary Evidence for a Relationship Between Physiological Synchrony and Sexual Satisfaction in Opposite-Sex Couples. Journal of Sexual Medicine, 2019, 16, 2000-2010.	0.3	11
48	The Cybernetic Return in Human Factors/Ergonomics (HFE). Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 894-898.	0.2	1
49	An Embodied Neurocomputational Framework for Organically Integrating Biopsychosocial Processes: An Application to the Role of Social Support in Health and Disease. Psychosomatic Medicine, 2019, 81, 125-145.	1.3	24
50	Are we together or not? The temporal interplay of monitoring, physiological arousal and physiological synchrony during a collaborative exam. International Journal of Computer-Supported Collaborative Learning, 2019, 14, 467-490.	1.9	25
51	The Virtual Human Breathing Relaxation System. , 2019, , .		6
52	Sympathetic arousal commonalities and arousal contagion during collaborative learning: How attuned are triad members?. Computers in Human Behavior, 2019, 92, 188-197.	5.1	32
53	Impact of humorâ€™related communication elements in natural dyadic interactions on interpersonal physiological synchrony. Psychophysiology, 2019, 56, e13320.	1.2	9
54	Physiological contagion in parentâ€™child dyads during an emotional challenge. Social Development, 2019, 28, 620-636.	0.8	12

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55	Hair cortisol concentration in mothers and their children: roles of maternal sensitivity and child symptoms of attention-deficit/hyperactivity disorder. <i>Journal of Neural Transmission</i> , 2019, 126, 1135-1144.	1.4	13
56	Why do we fall into sync with others? Interpersonal synchronization and the brain's optimization principle. <i>Social Neuroscience</i> , 2019, 14, 1-9.	0.7	95
57	Self-Enhancement and Psychological Adjustment: A Meta-Analytic Review. <i>Personality and Social Psychology Review</i> , 2019, 23, 48-72.	3.4	131
59	Physiological synchrony in psychotherapy sessions. <i>Psychotherapy Research</i> , 2020, 30, 558-573.	1.1	83
60	When you go low, I go high: Negative coordination of physiological synchrony among parents and children. <i>Developmental Psychobiology</i> , 2020, 62, 310-323.	0.9	31
61	Relational events are more consequential when accompanied by emotional similarity. <i>Cognition and Emotion</i> , 2020, 34, 859-874.	1.2	3
62	Social Allostasis and Social Allostatic Load: A New Model for Research in Social Dynamics, Stress, and Health. <i>Perspectives on Psychological Science</i> , 2020, 15, 469-482.	5.2	41
63	Matching self-reports with electrodermal activity data: Investigating temporal changes in self-regulated learning. <i>Education and Information Technologies</i> , 2020, 25, 1785-1802.	3.5	27
64	Empathic accuracy in design: Exploring design outcomes through empathic performance and physiology. <i>Design Science</i> , 2020, 6, .	1.1	17
65	The potential role of cortisol as a biomarker of physiological interdependence in romantic couples: A systematic review. <i>Psychoneuroendocrinology</i> , 2020, 121, 104834.	1.3	8
66	Validating Measures of Electrodermal Activity and Heart Rate Variability Derived From the Empatica E4 Utilized in Research Settings That Involve Interactive Dyadic States. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 148.	1.0	87
67	The relationship between physiological synchrony and motion energy synchrony during a joint group drumming task. <i>Physiology and Behavior</i> , 2020, 224, 113074.	1.0	10
68	When Agents Become Partners: A Review of the Role the Implicit Plays in the Interaction with Artificial Social Agents. <i>Multimodal Technologies and Interaction</i> , 2020, 4, 81.	1.7	5
69	Physiological Synchrony in EEG, Electrodermal Activity and Heart Rate Detects Attentionally Relevant Events in Time. <i>Frontiers in Neuroscience</i> , 2020, 14, 575521.	1.4	19
70	Physiological synchrony is associated with cooperative success in real-life interactions. <i>Scientific Reports</i> , 2020, 10, 19609.	1.6	27
71	Interpersonal Biofeedback in Psychodynamic Psychotherapy. <i>Frontiers in Psychology</i> , 2020, 11, 1655.	1.1	11
72	A Usability Study of Physiological Measurement in School Using Wearable Sensors. <i>Sensors</i> , 2020, 20, 5380.	2.1	20
73	The Evolution and Maturation of Teams in Organizations: Convergent Trends in the New Dynamic Science of Teams. <i>Frontiers in Psychology</i> , 2020, 11, 2128.	1.1	7

#	ARTICLE	IF	CITATIONS
74	Heart Rate Variability Synchronizes When Non-experts Vocalize Together. <i>Frontiers in Physiology</i> , 2020, 11, 762.	1.3	10
75	Mirror replication of sexual facial expressions increases the success of sexual contacts in bonobos. <i>Scientific Reports</i> , 2020, 10, 18979.	1.6	15
76	The Impacts of the Presence of an Unfamiliar Dog on Emerging Adultsâ€™ Physiological and Behavioral Responses Following Social Exclusion. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2020, 10, 191.	1.0	5
77	Facing Immersive â€œPost-Truthâ€ in AIVR?. <i>Philosophies</i> , 2020, 5, 45.	0.4	5
78	Social safety learning: Shared safety abolishes the recovery of learned threat. <i>Behaviour Research and Therapy</i> , 2020, 135, 103733.	1.6	10
79	Future Applications of Real-World Neuroimaging to Clinical Psychology. <i>Psychological Reports</i> , 2021, 124, 2403-2426.	0.9	7
80	Mother-child behavioral and physiological synchrony. <i>Advances in Child Development and Behavior</i> , 2020, 58, 163-188.	0.7	38
81	Audience spontaneous entrainment during the collective enjoyment of live performances: physiological and behavioral measurements. <i>Scientific Reports</i> , 2020, 10, 3813.	1.6	29
82	Two-Person Approaches to Studying Social Interaction in Psychiatry: Uses and Clinical Relevance. <i>Frontiers in Psychiatry</i> , 2020, 11, 301.	1.3	21
83	Selbstorganisation â€œ ein Paradigma fÃ¼r die Humanwissenschaften. , 2020, , .		1
84	In and out of synchronyâ€”Behavioral and physiological dynamics of dyadic interpersonal coordination. <i>Psychophysiology</i> , 2020, 57, e13574.	1.2	89
85	Multimodal data indicators for capturing cognitive, motivational, and emotional learning processes: A systematic literature review. <i>Education and Information Technologies</i> , 2020, 25, 5499-5547.	3.5	34
86	Clinician-Patient Movement Synchrony Mediates Social Group Effects on Interpersonal Trust and Perceived Pain. <i>Journal of Pain</i> , 2020, 21, 1160-1174.	0.7	17
87	Physiological Synchrony Revealed by Delayed Coincidence Count: Application to a Cooperative Complex Environment. <i>IEEE Transactions on Human-Machine Systems</i> , 2020, 50, 395-404.	2.5	5
88	Interpersonal Synchrony in Autism. <i>Current Psychiatry Reports</i> , 2020, 22, 12.	2.1	67
89	Interpersonal Coordination Dynamics in Psychotherapy: A Systematic Review. <i>Cognitive Therapy and Research</i> , 2020, 44, 752-773.	1.2	48
90	A Neuroergonomics Approach to Mental Workload, Engagement and Human Performance. <i>Frontiers in Neuroscience</i> , 2020, 14, 268.	1.4	94
91	An open-source, wireless vest for measuring autonomic function in infants. <i>Behavior Research Methods</i> , 2020, 52, 2324-2337.	2.3	6

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92	Physiological linkage among successful high-status women in international teams. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 167-176.	1.5	4
93	Windowed multiscale synchrony: modeling time-varying and scale-localized interpersonal coordination dynamics. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 232-245.	1.5	12
94	rMEA: An R package to assess nonverbal synchronization in motion energy analysis time-series. <i>Psychotherapy Research</i> , 2021, 31, 817-830.	1.1	28
95	Reactivity and recovery in romantic relationships following a trauma analog: Examination of respiratory sinus arrhythmia in community couples. <i>Psychophysiology</i> , 2021, 58, e13721.	1.2	4
96	Team Physiological Dynamics: A Critical Review. <i>Human Factors</i> , 2021, 63, 32-65.	2.1	30
97	Influencing the physiology and decisions of groups: Physiological linkage during group decision-making. <i>Group Processes and Intergroup Relations</i> , 2021, 24, 145-159.	2.4	5
98	Dance on the Brain: Enhancing Intra- and Inter-Brain Synchrony. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 584312.	1.0	38
99	Capturing talk and proximity in the classroom: Advances in measuring features of young children's friendships. <i>Early Childhood Research Quarterly</i> , 2021, 57, 102-109.	1.6	11
100	Exploring Physiological Linkage in Same-Sex Male Couples. <i>Frontiers in Psychology</i> , 2020, 11, 619255.	1.1	3
101	Mother-Daughter Mutual Arousal Escalation and Emotion Regulation in Adolescence. <i>Research on Child and Adolescent Psychopathology</i> , 2021, 49, 615-628.	1.4	7
102	All for one and one for all – How are students' affective states and group-level emotion regulation interconnected in collaborative learning?. <i>International Journal of Educational Research</i> , 2021, 109, 101861.	1.2	15
103	Multimodal modeling of collaborative problem-solving facets in triads. <i>User Modeling and User-Adapted Interaction</i> , 2021, 31, 713-751.	2.9	12
104	Quantifying the Child-Therapist Interaction in ASD Intervention: An Observational Coding System. <i>Brain Sciences</i> , 2021, 11, 366.	1.1	10
105	Introducing Social Breathing: A Model of Engaging in Relational Systems. <i>Frontiers in Psychology</i> , 2021, 12, 571298.	1.1	6
106	Synchronous vs. non-synchronous imitation: Using dance to explore interpersonal coordination during observational learning. <i>Human Movement Science</i> , 2021, 76, 102776.	0.6	6
108	“Feel you”: Greater linkage between friends' physiological responses and emotional experience is associated with greater empathic accuracy. <i>Biological Psychology</i> , 2021, 161, 108079.	1.1	11
109	Exploring Adaptation in Socially-Shared Regulation of Learning Using Video and Heart Rate Data. <i>Technology, Knowledge and Learning</i> , 2022, 27, 385-404.	3.1	11
110	What is a face worth? Facial attractiveness biases experience-based monetary decision-making. <i>British Journal of Psychology</i> , 2021, 112, 934-963.	1.2	8

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111	Interpersonal autonomic nervous system synchrony and its association to relationship and performance – a systematic review and meta-analysis. <i>Physiology and Behavior</i> , 2021, 235, 113391.	1.0	20
112	A comparative framework of inter-individual coordination and pair-bonding. <i>Current Opinion in Behavioral Sciences</i> , 2021, 39, 98-105.	2.0	8
113	Pursuing Collective Synchrony in Teams: A Regime-Switching Dynamic Factor Model of Speed Similarity in Soccer. <i>Psychometrika</i> , 2021, 86, 1016-1038.	1.2	0
114	Group-level physiological synchrony and individual-level anxiety predict positive affective behaviors during a group decision-making task. <i>Psychophysiology</i> , 2021, 58, e13857.	1.2	22
115	When two hearts beat as one: Heart-rate synchrony in social anxiety disorder. <i>Behaviour Research and Therapy</i> , 2021, 141, 103859.	1.6	7
116	Change Process in Coaching: Interplay of Nonverbal Synchrony, Working Alliance, Self-Regulation, and Goal Attainment. <i>Frontiers in Psychology</i> , 2021, 12, 580351.	1.1	9
117	Oxytocin as the Neurobiological Basis of Synchronization: A Research Proposal in Psychotherapy Settings. <i>Frontiers in Psychology</i> , 2021, 12, 628011.	1.1	6
118	Synchrony with distress in affective empathy and compassion. <i>Psychophysiology</i> , 2021, 58, e13889.	1.2	7
119	Associations between infant-mother physiological synchrony and 4- and 6-month-old infants' emotion regulation. <i>Developmental Psychobiology</i> , 2021, 63, e22161.	0.9	20
120	Sharing biosignals: An analysis of the experiential and communication properties of interpersonal psychophysiology. <i>Human-Computer Interaction</i> , 2023, 38, 49-78.	3.1	8
122	Exploring groups' affective states during collaborative learning: what triggers activating affect on a group level?. <i>Educational Technology Research and Development</i> , 2021, 69, 2523-2545.	2.0	15
123	Influence of stress on physiological synchrony in a stressful versus non-stressful group setting. <i>Journal of Neural Transmission</i> , 2021, 128, 1335-1345.	1.4	5
124	Embodiment in online psychotherapy: A qualitative study. <i>Psychology and Psychotherapy: Theory, Research and Practice</i> , 2022, 95, 191-211.	1.3	18
125	Bridging the gap between emotion and joint action. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 131, 806-833.	2.9	14
126	Parental history of childhood maltreatment and child average RSA shape parent-child RSA synchrony. <i>Developmental Psychobiology</i> , 2021, 63, e22171.	0.9	1
127	Physiological linkage during interactions between doctors and cancer patients. <i>Social Science and Medicine</i> , 2021, 284, 114220.	1.8	5
128	Exposure to social suffering in virtual reality boosts compassion and facial synchrony. <i>Computers in Human Behavior</i> , 2021, 122, 106781.	5.1	14
129	Investigating the Reliability of Self-report Data in the Wild: The Quest for Ground Truth. , 2021, , .		5

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131	Prenatal motherâ€“father cortisol linkage predicts infant executive functions at 24 months. <i>Developmental Psychobiology</i> , 2021, 63, e22151.	0.9	3
132	Conscious processing of narrative stimuli synchronizes heart rate between individuals. <i>Cell Reports</i> , 2021, 36, 109692.	2.9	52
133	Self-disclosure is associated with adrenocortical attunement between new acquaintances. <i>Psychoneuroendocrinology</i> , 2021, 132, 105323.	1.3	0
134	Perspectives fondamentale, clinique et sociÃ©tale de lâ€™utilisation des personnages virtuels en santÃ© mentale. <i>Sante Mentale Au Quebec</i> , 0, 46, 35-70.	0.1	2
135	Differences in motherâ€“child and fatherâ€“child RSA synchrony: Moderation by child selfâ€“regulation and dyadic affect. <i>Developmental Psychobiology</i> , 2021, 63, 1210-1224.	0.9	15
136	A systematic review of caregiverâ€“child physiological synchrony across systems: Associations with behavior and child functioning. <i>Development and Psychopathology</i> , 2020, 32, 1754-1777.	1.4	33
137	Attachment-security prime effect on skin-conductance synchronization in psychotherapists: An empirical study.. <i>Journal of Counseling Psychology</i> , 2018, 65, 490-499.	1.4	22
138	Physiological synchrony and therapeutic alliance in an imagery-based treatment.. <i>Journal of Counseling Psychology</i> , 2019, 66, 508-517.	1.4	32
139	Incorporating physiology into the study of psychotherapy process.. <i>Journal of Counseling Psychology</i> , 2020, 67, 488-499.	1.4	13
140	Measuring physiological influence in dyads: A guide to designing, implementing, and analyzing dyadic physiological studies.. <i>Psychological Methods</i> , 2018, 23, 595-616.	2.7	77
141	Physiological linkage during shared positive and shared negative emotion.. <i>Journal of Personality and Social Psychology</i> , 2021, 121, 1029-1056.	2.6	25
142	Physiological and Behavioral Synchrony Predict Group Cohesion and Performance. <i>Scientific Reports</i> , 2020, 10, 8484.	1.6	58
143	Physiological synchrony in EEG, electrodermal activity and heart rate reflects shared selective auditory attention. <i>Journal of Neural Engineering</i> , 2020, 17, 046028.	1.8	31
146	Inhaling and Exhaling: How Technologies Can Perceptually Extend our Breath Awareness. , 2020, , .		29
147	JeL. , 2020, , .		26
148	Focused or stuck together. , 2020, , .		26
149	A Comparison between Laboratory and Wearable Sensors in the Context of Physiological Synchrony. , 2020, , .		9
150	Detection of Artifacts in Ambulatory Electrodermal Activity Data. , 2020, 4, 1-31.		23

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151	Influencing the physiology and decisions of groups: Physiological linkage during group decision-making. , 0, .		1
152	Spatial proximity as a behavioral marker of relationship dynamics in older adult couples. Journal of Social and Personal Relationships, 0, , 026540752110500.	1.4	4
153	The pivotal role of monitoring for collaborative problem solving seen in interaction, performance, and interpersonal physiology. Metacognition and Learning, 2022, 17, 241-268.	1.3	11
154	Oxytocin increases physiological linkage during group therapy for methamphetamine use disorder: a randomized clinical trial. Scientific Reports, 2021, 11, 21004.	1.6	9
155	Physiological Characterization of Student Engagement in the Naturalistic Classroom: A Mixedâ€Methods Approach. Mind, Brain, and Education, 2021, 15, 322-343.	0.9	3
159	n-Gage. , 2020, 4, 1-26.		22
160	Interpersonal Emotion Dynamics in Couples With Somatic Symptom Disorder: Dyadic Coherence in Facial Temperature During Emotional Interactions. Psychosomatic Medicine, 2022, 84, 188-198.	1.3	4
161	Physiological synchrony is associated with attraction in a blind date setting. Nature Human Behaviour, 2022, 6, 269-278.	6.2	28
162	When our hearts beat together: Cardiac synchrony as an entry point to understand dyadic coâ€regulation in couples. Psychophysiology, 2021, 58, e13739.	1.2	25
163	Forms and Functions of Affective Synchrony. , 2021, , 381-402.		6
164	The effect of cooperation and competition dynamics on autonomic synchrony in teams. , 2020, , 317-332.		0
165	EEG Covariance-Based Estimation ofâ€Cooperative States in Teammates. Lecture Notes in Computer Science, 2020, , 383-393.	1.0	2
166	Beyond Dyadic Coupling: The Method of Multivariate Surrogate Synchrony (mv-SUSY). Entropy, 2021, 23, 1385.	1.1	9
167	Project Us. , 2020, , .		11
168	Multimodal Physiological Synchrony as Measure of Attentional Engagement. , 2020, , .		3
169	Physiological Synchrony, Stress and Communication of Paramedic Trainees During Emergency Response Training. , 2020, , .		2
170	Exploring Conversational and Physiological Aspects of Psychotherapy Talk. Frontiers in Psychology, 2020, 11, 591124.	1.1	7
171	The Implications of Being â€œIn It Togetherâ€: Relationship Satisfaction and Joint Health Behaviors Predict Better Health and Stronger Concordance Between Partners. Annals of Behavioral Medicine, 2022, 56, 1014-1025.	1.7	11

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172	Adopting Evaluative Conditioning to Improve Coach–Athlete Relationships. <i>Frontiers in Psychology</i> , 2021, 12, 751990.	1.1	1
173	Non-Contact Measurement of Empathy Based on Micro-Movement Synchronization. <i>Sensors</i> , 2021, 21, 7818.	2.1	3
174	Physiological Responses to a Haunted-House Threat Experience: Distinct Tonic and Phasic Effects. <i>Psychological Science</i> , 2022, 33, 236-248.	1.8	7
175	Alliance rupture and repair processes in psychoanalytic psychotherapy: multimodal in-session shifts from momentary failure to repair. <i>Counselling Psychology Quarterly</i> , 2022, 35, 814-841.	1.5	2
176	AI can fool us humans, but not at the psycho-physiological level: a hyperscanning and physiological synchrony study. , 2021, , .		1
177	Unsupervised Clustering of Individuals Sharing Selective Attentional Focus Using Physiological Synchrony. <i>Frontiers in Neuroergonomics</i> , 2022, 2, .	0.6	3
178	Being in a crowd bonds people via physiological synchrony. <i>Scientific Reports</i> , 2022, 12, 613.	1.6	11
179	Adolescent girls’s intrapersonal and interpersonal parasympathetic regulation during peer support is moderated by trait and state co-rumination. <i>Developmental Psychobiology</i> , 2022, 64, e22232.	0.9	2
180	On the Same Wavelengths: Emergence of Multiple Synchronies Among Multiple Agents. <i>Lecture Notes in Computer Science</i> , 2022, , 57-71.	1.0	7
181	Inter-Brain Synchrony Levels According to Task Execution Modes and Difficulty Levels: An fNIRS/GSR Study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 194-204.	2.7	7
182	Collective Rhythm as an Emergent Property During Human Social Coordination. <i>Frontiers in Psychology</i> , 2021, 12, 772262.	1.1	5
183	An Approach to Neuroimaging Interpersonal Interactions in Mental Health Interventions. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 669-679.	1.1	2
184	An Exploratory Study of Physiological Linkage Among Strangers. <i>Frontiers in Neuroergonomics</i> , 2022, 2, .	0.6	2
185	Catching that Playful Beat: Social Anxiety and Synchronous Group Functioning. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
186	Lower activity linkage between caregivers and persons with neurodegenerative diseases is associated with greater caregiver anxiety. <i>Psychophysiology</i> , 2022, 59, e14040.	1.2	6
187	Savoring Interventions Increase Positive Emotions After a Social-Evaluative Hassle. <i>Frontiers in Psychology</i> , 2022, 13, 791040.	1.1	2
188	Associations Between Sympathetic Nervous System Synchrony, Movement Synchrony, and Speech in Couple Therapy. <i>Frontiers in Psychology</i> , 2022, 13, 818356.	1.1	5
189	Cognitive processing of a common stimulus synchronizes brains, hearts, and eyes. , 2022, 1, .		23

#	ARTICLE	IF	CITATIONS
190	Close TIES in relationships: A dynamic systems approach for modeling physiological linkage. <i>Journal of Social and Personal Relationships</i> , 0, , 026540752210825.	1.4	2
191	Prospects for Augmenting Team Interactions with Real-Time Coordination-Based Measures in Human-Autonomy Teams. <i>Topics in Cognitive Science</i> , 2022, , .	1.1	5
192	People can identify the likely owner of heartbeats by looking at individuals' faces. <i>Cortex</i> , 2022, 151, 176-187.	1.1	9
193	Studying Physiological Synchrony in Couple Therapy through Partial Directed Coherence: Associations with the Therapeutic Alliance and Meaning Construction. <i>Entropy</i> , 2022, 24, 517.	1.1	5
194	Interpersonal Physiological Synchrony for Detecting Moments of Connection in Persons With Dementia: A Pilot Study. <i>Frontiers in Psychology</i> , 2021, 12, 749710.	1.1	3
195	Acting out and enactment: An effort at clarity. <i>Neuropsychoanalysis</i> , 0, , 1-15.	0.1	0
196	<scp>Father-child</scp> physiological concordance on two timescales is differentially associated with paternal characteristics. <i>Psychophysiology</i> , 2022, , e14073.	1.2	1
197	Cardiac Arrest: Evaluating the Role of Biosignals in Gameplay Strategies and Players' Physiological Synchrony in Social Deception Games. , 2022, , .		1
198	Shared User Interfaces of Physiological Data: Systematic Review of Social Biofeedback Systems and Contexts in HCI. , 2022, , .		10
199	Eye Contact in Video Communication: Experiences of Co-creating Relationships. <i>Frontiers in Psychology</i> , 2022, 13, 852692.	1.1	4
200	Principles for humanistic responsiveness to children and adolescents coping with the pandemic. <i>Journal of Humanistic Counseling</i> , 0, , .	0.3	0
201	Measurement of interpersonal physiological synchrony in dyads: A review of timing parameters used in the literature. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2022, 22, 1215-1230.	1.0	4
202	multiSyncPy: A Python package for assessing multivariate coordination dynamics. <i>Behavior Research Methods</i> , 2023, 55, 932-962.	2.3	4
203	Feasibility of Longitudinal Eye-Gaze Tracking in the Workplace. <i>Proceedings of the ACM on Human-Computer Interaction</i> , 2022, 6, 1-21.	2.5	1
204	When stress becomes shared: exploring the emergence of team stress. <i>Cognition, Technology and Work</i> , 0, , .	1.7	0
206	A Person-Centered Approach to Study Students' Socio-Emotional Interaction Profiles and Regulation of Collaborative Learning. <i>Frontiers in Education</i> , 0, 7, .	1.2	3
207	Affective states and regulation of learning during <scp>socio-emotional</scp> interactions in secondary school collaborative groups. <i>British Journal of Educational Psychology</i> , 2023, 93, 48-70.	1.6	14
209	Inter-brain synchronization occurs without physical co-presence during cooperative online gaming. <i>Neuropsychologia</i> , 2022, 174, 108316.	0.7	9

#	ARTICLE	IF	CITATIONS
210	Interpersonal Physiological Synchrony Predicts Group Cohesion. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	6
211	Becoming Attuned to Each Other Over Time: A Computational Neural Agent Model for the Role of Time Lags in Subjective Synchrony Detection and Related Behavioral Adaptivity. <i>Lecture Notes in Computer Science</i> , 2022, , 369-383.	1.0	2
212	Team Situation Awareness, Cohesion, and Autonomic Synchrony. <i>Human Factors</i> , 2024, 66, 1186-1200.	2.1	5
213	Inter-brain plasticity as a biological mechanism of change in psychotherapy: A review and integrative model. <i>Frontiers in Human Neuroscience</i> , 0, 16, .	1.0	2
214	Reduced interpersonal neural synchronization in right inferior frontal gyrus during social interaction in participants with clinical high risk of psychosis: An fNIRS-based hyperscanning study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2023, 120, 110634.	2.5	12
215	Individual and Group-wise Classroom Seating Experience. , 2022, 6, 1-23.		8
216	Inducing Changes in Breathing Patterns Using a Soft Robot. , 2022, , .		5
218	Frisson Waves. , 2022, 6, 1-23.		1
219	Exploring Theater Neuroscience: Using Wearable Functional Near-infrared Spectroscopy to Measure the Sense of Self and Interpersonal Coordination in Professional Actors. <i>Journal of Cognitive Neuroscience</i> , 2022, 34, 2215-2236.	1.1	3
220	The coregulatory effects of emotionally focused therapy. <i>Journal of Counseling and Development</i> , 0, , .	1.3	0
221	Adolescent social anxiety undermines adolescent-parent interbrain synchrony during emotional processing: A hyperscanning study. <i>International Journal of Clinical and Health Psychology</i> , 2022, 22, 100329.	2.7	8
222	Understand group interaction and cognitive state in online collaborative problem solving: leveraging brain-to-brain synchrony data. <i>International Journal of Educational Technology in Higher Education</i> , 2022, 19, .	4.5	6
223	A Review of Using Wearable Technology to Assess Team Functioning and Performance. <i>Small Group Research</i> , 2023, 54, 41-76.	1.8	8
224	Emotion, psychophysiology, and intersubjectivity. <i>Pragmatics and Beyond New Series</i> , 2021, , 303.	0.3	2
225	Modeling the Complex Interplay Between Monitoring Events for Regulated Learning with Psychological Networks. , 2022, , 79-104.		1
226	Stress-Related Biomarkers Methods in Family Research. , 2022, , 629-644.		1
227	Bringing social interaction at the core of organizational neuroscience. <i>Frontiers in Psychology</i> , 0, 13, .	1.1	5
228	Exploration of the Impact of Interpersonal Communication and Coordination Dynamics on Team Effectiveness in Human-Machine Teams. <i>International Journal of Human-Computer Interaction</i> , 2023, 39, 1841-1855.	3.3	5

#	ARTICLE	IF	CITATIONS
229	Assessing dynamical associations in dyadic interactions across multiple time scales via a Bayesian hierarchical vector autoregressive model. <i>Journal of Social and Personal Relationships</i> , 0, , 026540752211378.	1.4	0
230	What to expect physiologically when you're expecting couples in therapy: A Changing Hearts and Minds in relationshipsPSA(CHAMPS) descriptive study. <i>Journal of Marital and Family Therapy</i> , 0, , .	0.6	0
232	The association between acute stress & empathy: A systematic literature review. <i>Neuroscience and Biobehavioral Reviews</i> , 2023, 144, 105003.	2.9	8
233	Challenges and added value of measuring embodied variables in psychotherapy. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	3
234	Group-based flow: The influence of cardiovascular synchronization and identifiability. <i>Psychophysiology</i> , 2023, 60, .	1.2	1
235	Using Neuroscience-informed Group Work with Children and Adolescents Affected by the Pandemic. <i>Journal for Specialists in Group Work</i> , 2023, 48, 20-31.	0.7	1
236	How aging couples'™ emotional and physiological associations change across positive, supportive, and conflictual discussions: Roles of capitalization and responsive behaviors. <i>Biological Psychology</i> , 2023, 177, 108500.	1.1	6
237	Exploring what synchronized physiological arousal can reveal about the social regulatory process in a collaborative argumentation activity. <i>Frontiers in Psychology</i> , 0, 13, .	1.1	0
238	Withdrawal ruptures in adolescents with borderline personality disorder psychotherapy are marked by increased speech pauses—can minimal responses be automatically detected?. <i>PLoS ONE</i> , 2023, 18, e0280329.	1.1	0
239	Switching In and Out of Sync: A Controlled Adaptive Network Model of Transition Dynamics in the Effects of Interpersonal Synchrony on Affiliation. <i>Studies in Computational Intelligence</i> , 2023, , 81-95.	0.7	1
240	Editorial: Physical and psychological proximity in humans: From the body to the mind and vice-versa. <i>Frontiers in Psychology</i> , 0, 14, .	1.1	1
241	Zoom disrupts eye contact behaviour: problems and solutions. <i>Trends in Cognitive Sciences</i> , 2023, 27, 417-419.	4.0	2
242	Multimodal Approach for Characterizing the Quality of Parent-Child Interaction: A Single Synchronization Source May Not Tell the Whole Story. <i>Biology</i> , 2023, 12, 241.	1.3	0
243	Affect contagion: Physiologic covariation and linkage offer insight into socially shared thoughts, emotions, and experiences. <i>Advances in Experimental Social Psychology</i> , 2023, , 73-129.	2.0	2
244	A Computational Approach to Examining Team Coordination Breakdowns During Crisis Situations. <i>Journal of Cognitive Engineering and Decision Making</i> , 2023, 17, 256-278.	0.9	3
245	Physiological Synchrony Predict Task Performance and Negative Emotional State during a Three-Member Collaborative Task. <i>Sensors</i> , 2023, 23, 2268.	2.1	3
246	—INTEGRO INTEGRated Psychotherapeutic InterventiOn—on the Management of Chronic Pain in Patients with Fibromyalgia: The Role of the Therapeutic Relationship. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 3973.	1.2	2
247	The moderating role of attachment in the association between physiological synchrony in married couples and supportive behavior in the transition to parenthood. <i>Psychophysiology</i> , 2023, 60, .	1.2	1

#	ARTICLE	IF	CITATIONS
248	Fitting Bayesian Stochastic Differential Equation Models with Mixed Effects through a Filtering Approach. <i>Multivariate Behavioral Research</i> , 0, , 1-25.	1.8	0
249	Relationship Satisfaction. , 2023, , 1-9.		0
250	Emotion transmission in peer dyads in middle childhood. <i>Child Development</i> , 0, , .	1.7	0
251	Effects of eating together online on autonomic nervous system functions: a randomized, open-label, controlled preliminary study among healthy volunteers. <i>BioPsychoSocial Medicine</i> , 2023, 17, .	0.9	0
252	Somatovisceral Influences on Emotional Development. <i>Emotion Review</i> , 2023, 15, 127-144.	2.1	1
253	Facilitating dyadic synchrony in psychotherapy sessions: Systematic review and meta-analysis. <i>Psychotherapy Research</i> , 2023, 33, 898-917.	1.1	5
254	Group Synchrony for Emotion Recognition Using Physiological Signals. <i>IEEE Transactions on Affective Computing</i> , 2023, 14, 2614-2625.	5.7	3
255	Capturing the Dynamics of Trust and Team Processes in Human-Human-Agent Teams via Multidimensional Neural Recurrence Analyses. <i>Proceedings of the ACM on Human-Computer Interaction</i> , 2023, 7, 1-23.	2.5	0
256	Improvised herding: Mapping biobehavioral mechanisms that underlie group efficacy during improvised social interaction. <i>Psychophysiology</i> , 2023, 60, .	1.2	1
257	Audience immersion: validating attentional and physiological measures against self-report. <i>Cognitive Research: Principles and Implications</i> , 2023, 8, .	1.1	2
258	InExChange: Fostering Genuine Social Connection through Embodied Breath Sharing in Mixed Reality. , 2023, , .		2
266	Physiological Synchrony in a Collaborative Virtual Reality Task. , 2023, , .		0
278	Der erlebte Körper und der Körper der Naturwissenschaft. <i>Psychotherapie: Praxis</i> , 2023, , 151-181.	0.0	0