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Uncertainty of feedback and state estimation
determines the speed of motor adaptation

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#	Paper	IF	Citations
134	Seeing is believing: effects of visual contextual cues on learning and transfer of locomotor adaptation. 2010 , 30, 17015-22		72
133	Computational mechanisms of sensorimotor control. 2011 , 72, 425-42		399
132	Catching falling objects: the role of the cerebellum in processing sensory-motor errors that may influence updating of feedforward commands. An fMRI study. 2011 , 190, 135-44		12
131	Response to sensory uncertainty in Parkinson's disease: a marker of cerebellar dysfunction?. 2011 , 33, 298-305		15
130	Bayesian models: the structure of the world, uncertainty, behavior, and the brain. 2011 , 1224, 22-39		123
129	Human sensorimotor learning: adaptation, skill, and beyond. 2011 , 21, 636-44		322
128	How each movement changes the next: an experimental and theoretical study of fast adaptive priors in reaching. 2011 , 31, 10050-9		149
127	Effect of visuomotor-map uncertainty on visuomotor adaptation. <i>Journal of Neurophysiology</i> , 2012 , 107, 1576-85	3.2	12
126	Natural error patterns enable transfer of motor learning to novel contexts. <i>Journal of Neurophysiology</i> , 2012 , 107, 346-56	3.2	86
125	Task-dependent uncertainty modulation of perceptual decisions in the human brain. 2012 , 36, 3732-9		6
124	How does our motor system determine its learning rate?. <i>PLoS ONE</i> , 2012 , 7, e49373	3.7	37
123	Knowing how much you don't know: a neural organization of uncertainty estimates. 2012 , 13, 572-86		201
122	How the required precision influences the way we intercept a moving object. 2013 , 230, 207-18		15
121	Kalman filtering naturally accounts for visually guided and predictive smooth pursuit dynamics. 2013 , 33, 17301-13		68
120	Unlearning versus savings in visuomotor adaptation: comparing effects of washout, passage of time, and removal of errors on motor memory. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 307	3.3	71
119	Does EMG control lead to distinct motor adaptation?. 2014 , 8, 302		23
118	How much to trust the senses: likelihood learning. 2014 , 14, 13		20

117	The effect of powered prosthesis control signals on trial-by-trial adaptation to visual perturbations. 2014 , 2014, 3512-5		1
116	Excessive Sensitivity to Uncertain Visual Input in L-DOPA-Induced Dyskinesias in Parkinson's Disease: Further Implications for Cerebellar Involvement. 2014 , 5, 8		6
115	Neurorehabilitation: From sensorimotor adaptation to motor learning, or the opposite?. 2014 , 125, 1926-7		2
114	Generalization of improved step length symmetry from treadmill to overground walking in persons with stroke and hemiparesis. 2014 , 125, 1012-20		50
113	Environmental consistency determines the rate of motor adaptation. 2014 , 24, 1050-61		71
112	Adaptive dynamic programming as a theory of sensorimotor control. 2014 , 108, 459-73		18
111	Acquisition, representation, and transfer of models of visuo-motor error. 2015 , 15, 6		5
110	Visuomotor adaptation to a visual rotation is gravity dependent. <i>Journal of Neurophysiology</i> , 2015 , 113, 1885-95	3.2	8
109	Similar trial-by-trial adaptation behavior across transhumeral amputees and able-bodied subjects. 2015 ,		5
108	Accelerating motor adaptation by virtual reality based modulation of error memories. 2015 ,		7
107	Mapping shape to visuomotor mapping: learning and generalisation of sensorimotor behaviour based on contextual information. <i>PLoS Computational Biology</i> , 2015 , 11, e1004172	5	11
106	Human representation of visuo-motor uncertainty as mixtures of orthogonal basis distributions. 2015 , 18, 1152-8		22
105	Auditory feedback in error-based learning of motor regularity. 2015 , 1606, 54-67		14
104	Prospective errors determine motor learning. 2015 , 6, 5925		39
103	Effect of sensory experience on motor learning strategy. <i>Journal of Neurophysiology</i> , 2015 , 113, 1077-84	3.2	5
102	Adaptation to visual feedback delay in a redundant motor task. <i>Journal of Neurophysiology</i> , 2015 , 113, 426-33	3.2	19
101	Reward feedback accelerates motor learning. <i>Journal of Neurophysiology</i> , 2015 , 113, 633-46	3.2	87
100	Saccade Adaptation and Visual Uncertainty. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 227	3.3	6

99	The relationship between lower limb proprioceptive sense and locomotor skill acquisition. 2016 , 234, 3185-3192		9
98	Trial-to-trial adaptation in control of arm reaching and standing posture. <i>Journal of Neurophysiology</i> , 2016 , 116, 2936-2949	3.2	4
97	The role of auditory feedback in music-supported stroke rehabilitation: A single-blinded randomised controlled intervention. 2016 , 34, 297-311		15
96	Post-Movement Beta Activity in Sensorimotor Cortex Indexes Confidence in the Estimations from Internal Models. 2016 , 36, 1516-28		114
95	Multichannel Electrotactile Feedback With Spatial and Mixed Coding for Closed-Loop Control of Grasping Force in Hand Prostheses. 2017 , 25, 183-195		65
94	Using noise to shape motor learning. <i>Journal of Neurophysiology</i> , 2017 , 117, 728-737	3.2	19
93	The Role of Variability in Motor Learning. 2017 , 40, 479-498		170
92	Tactile feedback is an effective instrument for the training of grasping with a prosthesis at low- and medium-force levels. 2017 , 235, 2547-2559		28
91	Robust Adaptive Dynamic Programming as A Theory of Sensorimotor Control. 2017 , 137-176		
90	Individual differences in implicit motor learning: task specificity in sensorimotor adaptation and sequence learning. <i>Journal of Neurophysiology</i> , 2017 , 117, 412-428	3.2	43
89	Foot placement relies on state estimation during visually guided walking. <i>Journal of Neurophysiology</i> , 2017 , 117, 480-491	3.2	22
88	Variance in exposed perturbations impairs retention of visuomotor adaptation. <i>Journal of Neurophysiology</i> , 2017 , 118, 2745-2754	3.2	4
87	A novel framework for optimizing motor (Re)-learning with a robotic exoskeleton. 2017 ,		3
86	Human Control of Interactions with Objects [Variability, Stability and Predictability. 2017 , 301-335		10
85	EMG Versus Torque Control of Human-Machine Systems: Equalizing Control Signal Variability Does not Equalize Error or Uncertainty. 2017 , 25, 660-667		19
84	Validation of a constrained-time movement task for use in rehabilitation outcome measures. 2017 , 2017, 1183-1188		3
83	Explicit Action Switching Interferes with the Context-Specificity of Motor Memories in Older Adults. 2017 , 9, 40		26
82	Adaptation to random and systematic errors: Comparison of amputee and non-amputee control interfaces with varying levels of process noise. <i>PLoS ONE</i> , 2017 , 12, e0170473	3.7	20

81	The effect of proprioceptive acuity variability on motor adaptation in older adults. 2018 , 236, 599-608		9
80	Illusory movement perception improves motor control for prosthetic hands. 2018 , 10,		101
79	Estimating properties of the fast and slow adaptive processes during sensorimotor adaptation. <i>Journal of Neurophysiology</i> , 2018 , 119, 1367-1393	3.2	26
78	Adaptation to proprioceptive targets following visuomotor adaptation. 2018 , 236, 419-432		1
77	Conventional analysis of trial-by-trial adaptation is biased: Empirical and theoretical support using a Bayesian estimator. <i>PLoS Computational Biology</i> , 2018 , 14, e1006501	5	8
76	Weighted integration of short-term memory and sensory signals in the oculomotor system. 2018 , 18, 16		24
75	Visuomotor learning is dependent on direction-specific error saliency. <i>Journal of Neurophysiology</i> , 2018 , 120, 162-170	3.2	10
74	Chance, long tails, and inference in a non-Gaussian, Bayesian theory of vocal learning in songbirds. 2018 , 115, E8538-E8546		7
73	Clarifying cognitive control and the controllable connectome. 2019 , 10, e1471		10
72	Minimizing Precision-Weighted Sensory Prediction Errors via Memory Formation and Switching in Motor Adaptation. 2019 , 39, 9237-9250		13
71	. 2019 , 4, 808-815		5
70	Contextual Interference Effect Is Independent of Retroactive Inhibition but Variable Practice Is Not Always Beneficial. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 165	3.3	4
69	Prolonged Aftereffect of Visuomotor Adaptation to Gradually Distorted Reality Displayed on a See-Through Head-Mounted Device. 2019 , 35, 1345-1351		0
68	Both fast and slow learning processes contribute to savings following sensorimotor adaptation. <i>Journal of Neurophysiology</i> , 2019 , 121, 1575-1583	3.2	29
67	The gradient of the reinforcement landscape influences sensorimotor learning. <i>PLoS Computational Biology</i> , 2019 , 15, e1006839	5	16
66	Decreased Temporal Sensorimotor Adaptation Due to Perturbation-Induced Measurement Noise. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 46	3.3	3
65	Prediction and final temporal errors are used for trial-to-trial motor corrections. <i>Scientific Reports</i> , 2019 , 9, 19230	4.9	4
64	Modeling Expected Reaching Error and Behaviors for Motor Adaptation. 2019 , 2019, 1534-1538		1

63	Incomplete information about the partner affects the development of collaborative strategies in joint action. <i>PLoS Computational Biology</i> , 2019 , 15, e1006385	5	3
62	Neural feedback strategies to improve grasping coordination in neuromusculoskeletal prostheses. <i>Scientific Reports</i> , 2020 , 10, 11793	4.9	20
61	Spastic movement disorder: should we forget hyperexcitable stretch reflexes and start talking about inappropriate prediction of sensory consequences of movement?. 2020 , 238, 1627-1636		10
60	A condition that produces sensory recalibration and abolishes multisensory integration. 2020 , 202, 104326		7
59	"Two sides of the same coin": constant motor learning speeds up, whereas variable motor learning stabilizes, speed-accuracy movements. 2020 , 120, 1027-1039		
58	Divisively Normalized Integration of Multisensory Error Information Develops Motor Memories Specific to Vision and Proprioception. 2020 , 40, 1560-1570		9
57	Increased error-correction leads to both higher levels of variability and adaptation. <i>PLoS ONE</i> , 2020 , 15, e0227913	3.7	2
56	Personalized Online Adaptation of Kinematic Synergies for Human-Prosthesis Interfaces. 2021 , 51, 1070-1084	8	
55	An implicit memory of errors limits human sensorimotor adaptation. 2021 , 5, 920-934		17
54	Statistical determinants of visuomotor adaptation in a virtual reality three-dimensional environment.		1
53	Moving outside the lab: The viability of conducting sensorimotor learning studies online.		7
52	An analytical method reduces noise bias in motor adaptation analysis. <i>Scientific Reports</i> , 2021 , 11, 9245	4.9	0
51	Individual differences in proprioception predict the extent of implicit sensorimotor adaptation. <i>Journal of Neurophysiology</i> , 2021 , 125, 1307-1321	3.2	16
50	Interactions between sensory prediction error and task error during implicit motor learning.		5
49	Learning from the path not taken: Sensory prediction errors are sufficient for implicit adaptation of withheld movements.		0
48	Whole body adaptation to novel dynamics does not transfer between effectors. <i>Journal of Neurophysiology</i> , 2021 , 126, 1345-1360	3.2	
47	Previous Motor Actions Outweigh Sensory Information in Sensorimotor Statistical Learning. <i>ENeuro</i> , 2021 , 8,	3.9	0
46	Neurorobotic fusion of prosthetic touch, kinesthesia, and movement in bionic upper limbs promotes intrinsic brain behaviors. 2021 , 6, eabf3368		10

45	The effect of visual uncertainty on implicit motor adaptation. <i>Journal of Neurophysiology</i> , 2021 , 125, 12-22	3.2	20
44	Individual differences in proprioception predict the extent of implicit sensorimotor adaptation.		5
43	A very fast time scale of human motor adaptation: within movement adjustments of internal representations during reaching.		3
42	Relative sensitivity of explicit re-aiming and implicit motor adaptation.		2
41	Implicit visuomotor adaptation remains limited after several days of training.		14
40	An implicit memory of errors limits human sensorimotor adaptation.		8
39	The Statistical Determinants of the Speed of Motor Learning. <i>PLoS Computational Biology</i> , 2016 , 12, e1005023		52
38	Generalization of stochastic visuomotor rotations. <i>PLoS ONE</i> , 2012 , 7, e43016	3.7	14
37	Trial-to-trial reoptimization of motor behavior due to changes in task demands is limited. <i>PLoS ONE</i> , 2013 , 8, e66013	3.7	6
36	Simultaneous processing of information on multiple errors in visuomotor learning. <i>PLoS ONE</i> , 2013 , 8, e72741	3.7	21
35	Knowing each random error of our ways, but hardly correcting for it: an instance of optimal performance. <i>PLoS ONE</i> , 2013 , 8, e78757	3.7	6
34	Premotor and Motor Cortices Encode Reward. <i>PLoS ONE</i> , 2016 , 11, e0160851	3.7	45
33	Target Uncertainty Mediates Sensorimotor Error Correction. <i>PLoS ONE</i> , 2017 , 12, e0170466	3.7	12
32	A Very Fast Time Scale of Human Motor Adaptation: Within Movement Adjustments of Internal Representations during Reaching. <i>ENeuro</i> , 2020 , 7,	3.9	16
31	Individual Differences in Motor Noise and Adaptation Rate Are Optimally Related. <i>ENeuro</i> , 2018 , 5,	3.9	13
30	Predicting non-linear dynamics by stable local learning in a recurrent spiking neural network. <i>ELife</i> , 2017 , 6,	8.9	38
29	Energy exchanges at contact events guide sensorimotor integration. <i>ELife</i> , 2018 , 7,	8.9	4
28	Visually-updated hand state estimates modulate the proprioceptive reflex independently of motor task requirements. <i>ELife</i> , 2020 , 9,	8.9	5

27	Weighted integration of short term memory and sensory signals in the oculomotor system.		
26	Chance, long tails, and inference: a non-Gaussian, Bayesian theory of vocal learning in songbirds.		
25	Energy Exchanges at Contact Events Guide Sensorimotor Integration Across Intermodal Delays.		
24	Individual differences in motor noise and adaptation rate are optimally related.		4
23	Prediction and final temporal errors are used for trial-to-trial motor corrections.		
22	Incomplete information about the partner affects the development of collaborative strategies in joint action.		
21	Interlimb Generalization of Learned Bayesian Visuomotor Prior Occurs in Extrinsic Coordinates. <i>ENeuro</i> , 2018 , 5,	3.9	1
20	Tradeoffs in optimal control capture patterns of human sensorimotor control and adaptation.		1
19	The Effect of Visual Uncertainty on Implicit Motor Adaptation.		2
18	Can we improve slow learning in cerebellar patients?.		1
17	Validation of the Bayesian sensory uncertainty model of motor adaptation with a remote experimental paradigm. 2021 ,		1
16	Kinematic Gait Adjustments to Virtual Environments on Different Surface Conditions: Do Treadmill and Over-Ground Walking Exhibit Different Adaptations to Passive Virtual Immersion?. <i>Rehabilitation Research and Practice</i> , 2020 , 2020, 8901973	1.2	1
15	Explicit feedback and instruction do not change shoulder muscle activity reduction after shoulder fixation.		0
14	Individual Differences in Sensorimotor Adaptation Are Conserved Over Time and Across Force-Field Tasks.. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 692181	3.3	0
13	Low vision impairs implicit sensorimotor adaptation in response to small errors, but not large errors.		1
12	Changes in Error-Correction Behavior According to Visuomotor Maps in Goal-Directed Projection Tasks.. <i>Journal of Neurophysiology</i> , 2022 ,	3.2	
11	Implicit sensorimotor adaptation is preserved in Parkinson's Disease.		0
10	Interactions between sensory prediction error and task error during implicit motor learning.. <i>PLoS Computational Biology</i> , 2022 , 18, e1010005	5	8

9	Separability of Human Motor Memories during Reaching Adaptation with Force Cues.		0
8	Adaptive Feedback Control in Human Reaching Adaptation to Force Fields.. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 742608	3.3	1
7	Data_Sheet_1.pdf. 2019 ,		
6	Statistical determinants of visuomotor adaptation along different dimensions during naturalistic 3D reaches. <i>Scientific Reports</i> , 2022 , 12,	4.9	1
5	Sensory uncertainty punctuates motor learning independently of movement error when both feedforward and feedback control processes are engaged.		0
4	Memory Decay and Generalization following Distinct Motor Learning Mechanisms.		0
3	Low Vision Impairs Implicit Sensorimotor Adaptation in Response to Small Errors, But Not Large Errors. 1-13		0
2	Perturbation Variability Does Not Influence Implicit Sensorimotor Adaptation.		0
1	Congruent visual cues speed dynamic motor adaptation.		0