

# CITATION REPORT

List of articles citing

## The Mathematics of Coordinated Control of Prosthetic Arms and Manipulators

DOI: 10.1115/1.3426611

Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1972, 94, 303-309.

**Source:** <https://exaly.com/paper-pdf/10811627/citation-report.pdf>

**Version:** 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
484	Obstacle avoidance for kinematically redundant robots using distance algorithm.		5
483	A Computation for Robots to Orient and Position Hand-Held Workpieces. <b>1976</b> , SMC-6, 665-671		6
482	Categorization and status of assembly research. <b>1977</b> , 186-208		
481	Research on Advanced Assembly Automation. <b>1977</b> , 10, 24-38		25
480	Information and control issues of adaptable, programmable assembly systems for manufacturing and teleoperator applications. <i>Mechanism and Machine Theory</i> , <b>1977</b> , 12, 27-43	4	4
479	Levels of sensorimotor representation. <b>1979</b> , 20, 91-163		420
478	Object-Handling System for Manual Industry. <b>1979</b> , 9, 79-89		101
477	Newton-Euler Formulation of Manipulator Dynamics for Computer Control. <b>1979</b> , 12, 165-172		3
476	Resolved-acceleration control of mechanical manipulators. <b>1980</b> , 25, 468-474		722
475	On Feedback Laws for Robotic Systems. <b>1981</b> , 14, 1955-1960		
474	Differential Kinematic Control Equations for Simple Manipulators. <b>1981</b> , 11, 456-460		33
473	Relaxed Path Tracking of Mechanical Manipulators by Parameter Estimation *. <b>1982</b> , 15, 103-107		
472	Techniques for Generating the Goal-Directed Motion of Articulated Structures. <b>1982</b> , 2, 71-81		80
471	Geometrically based manipulator rate control algorithms. <i>Mechanism and Machine Theory</i> , <b>1982</b> , 17, 379-385		42
470	Resolved Motion Force Control of Robot Manipulator. <b>1982</b> , 12, 266-275		49
469	Calculation of robot joint rates and actuator torques from end effector velocities and applied forces. <i>Mechanism and Machine Theory</i> , <b>1983</b> , 18, 193-198	4	11
468	An approach to nonlinear feedback control with applications to robotics. <b>1983</b> ,		16

467	. <b>1983</b> , AES-19, 805-814	26
466	Position and Velocity Transformations Between Robot End-Effector Coordinates and Joint Angles. <b>1983</b> , 2, 35-45	158
465	Memory for Movement: Discussion of Adams and Saltzman and Kelso. <b>1983</b> , 12, 39-46	
464	Resolved motion rate control of a materials-handling machine. <b>1983</b> , 5, 155-159	4
463	Wrist-Partitioned, Inverse Kinematic Accelerations and Manipulator Dynamics. <b>1983</b> , 2, 61-76	91
462	Toward a Dynamical Account of Motor Memory and Control. <b>1983</b> , 12, 17-38	9
461	Efficient Computation of the Jacobian for Robot Manipulators. <b>1984</b> , 3, 66-75	128
460	A sensor based technique for automated robot programming. <b>1984</b> , 3, 13-26	4
459	Adaptive control for robot manipulators in joint and cartesian coordinates.	8
458	Wrist-partitioned inverse kinematic accelerations and manipulator dynamics.	9
457	Computational modeling for the computer animation of legged figures. <b>1985</b> , 19, 263-270	114
456	Model Reference Adaptive Control for Manipulators A Review. <b>1985</b> , 18, 111-116	1
455	The Tracking Capability of the Computed-Torque Type Robot Control Systems. <b>1985</b> , 18, 79-83	
454	Interactive Computer Graphics Assessment of Implementation of Line of Sight Guidance Techniques in Robotics. <b>1985</b> , 18, 293-298	
453	A Definition of Manipulator Orientation by Means of Three Direction Cosines. <b>1985</b> , 18, 311-312	
452	An efficient numerical approach for calculating the inverse kinematics for robot manipulators. <b>1985</b> , 3, 21-26	25
451	Robotics software systems. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>1985</b> , 2, 1-12	9.2 8
450	A solution to the inverse kinematics of redundant manipulators. <b>1985</b> , 2, 373-385	23

449	Towards an integrated view of 3-D computer animation. <b>1985</b> , 1, 249-259	47
448	.	92
447	Parallelism in Manipulator Dynamics. <b>1985</b> , 4, 80-102	88
446	On the Numerical Solution of the Inverse Kinematic Problem. <b>1985</b> , 4, 21-37	96
445	Adaptive perturbation control with feedforward compensation for robot manipulators. <b>1985</b> , 44, 127-136	8
444	An Algorithm for Seam Tracking Applications. <b>1985</b> , 4, 27-41	35
443	Parallelism in manipulator dynamics.	3
442	Historical perspective and state of the art in robot force control.	140
441	On a control scheme for two cooperating robot arms. <b>1985</b> ,	17
440	Improved numerical solutions of inverse kinematics of robots.	19
439	SAM-animation software for simulating articulated motion. <b>1985</b> , 9, 383-391	5
438	Learning of movements in robotic manipulators.	7
437	Trajectory control of a PUMA robot arm by inversion and servocompensation. <b>1986</b> , 17, 1709-1725	
436	A closed-form solution for the control of manipulators with kinematic redundancy.	23
435	Multi-microprocessor-based cartesian-space control techniques for a mechanical manipulator. <b>1986</b> , 2, 110-115	13
434	Robust compliant motion for manipulators, part I: The fundamental concepts of compliant motion. <b>1986</b> , 2, 83-92	234
433	The dynamical perspective on speech production: data and theory. <b>1986</b> , 14, 29-59	258
432	References. <b>1986</b> , 33, 357-375	

431	Application of the Indicator-Jacobian Matrix to Solving Robot Kinematics Problems. <b>1986</b> , 19, 217-223	
430	Control of Articulated Robots with Redundancy. <b>1986</b> , 19, 15-22	
429	Efficient Computation of the Inverse Kinematic Model. <b>1986</b> , 19, 47-50	
428	Kinematic Control by Means of Optimization. <b>1986</b> , 19, 107-112	
427	Cartesian Control of a Class of Redundant Manipulators. <b>1986</b> , 19, 113-118	1
426	Kinematic path control of robot arms. <b>1986</b> , 4, 107-116	4
425	Differential relationship of kinematic model and speed control strategies for a computer-controlled robot manipulator. <b>1986</b> , 4, 155-162	3
424	Manipulator Inverse Kinematic Solutions Based on Vector Formulations and Damped Least-Squares Methods. <b>1986</b> , 16, 93-101	49 <sup>1</sup>
423	A feedback tracking system for robot. <b>1986</b> , 7, 775-783	
422	Dual Orthogonal Matrices in Manipulator Kinematics. <b>1986</b> , 5, 45-51	37
421	The role of physical constraints in natural and artificial manipulation.	
420	The fundamental concepts of robust compliant motion for robot manipulators.	32
419	Neuronal coding and robotics. <b>1987</b> , 237, 300-2	4
418	.	33
417	A command generator for 6 D-o-F robotic manipulators.	7
416	On the Implementation of an Adaptive Hybrid Position/Force Control for Manipulators. <b>1987</b> , 201, 403-412	
415	Living with the singularity of robot wrists.	13
414	Manipulator kinematics and the epsilon algebra.	1

413	On the Dynamics and Control of Robotic Manipulators with an Automatic Balancing Mechanism. <b>1987</b> , 201, 25-34		9
412	Task-Priority Based Redundancy Control of Robot Manipulators. <b>1987</b> , 6, 3-15		622
411	Tabulation of the Symbolic Midframe Jacobian of a Robot Manipulator. <b>1987</b> , 6, 85-97		1
410	Historical Perspective and State of the Art in Robot Force Control. <b>1987</b> , 6, 3-14		634
409	. <b>1987</b> , 3, 308-316		342
408	A closed-form solution for inverse kinematics of robot manipulators with redundancy. <b>1987</b> , 3, 393-403		112
407	Task-space tracking with redundant manipulators. <b>1987</b> , 3, 471-475		99
406	Cartesian control of a hydraulic redundant manipulator.		13
405	Local versus global torque optimization of redundant manipulators.		14
404	Optimal Redundancy Control of Robot Manipulators. <b>1987</b> , 6, 32-42		177
403	Numerical analysis of the influence of internal number representation on accuracy of coordinate transformation of industrial robots. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>1987</b> , 3, 11-13	9.2	1
402	End-Effector Guidance of Robot Arms. <b>1987</b> , 36, 289-292		8
401	Efficient PUMA manipulator jacobian calculation and inversion. <b>1987</b> , 4, 185-197		14
400	A strictly convergent real-time solution for inverse kinematics of robot manipulators. <b>1987</b> , 4, 477-501		37
399	An investigation of time efficiency and near singular behavior of numerical robot kinematics. <i>Mechanism and Machine Theory</i> , <b>1987</b> , 22, 371-381	4	5
398	A control scheme for two cooperating robot arms. <b>1987</b> , 7, 65-68		1
397	Control of Kinematically Redundant Robots Using {1}-Inverses. <b>1987</b> , 17, 644-649		13
396	. <b>1988</b> , 4, 163-173		63

395	. <b>1988</b> , 4, 186-192		13
394	. <b>1988</b> , 4, 14-22		248
393	. <b>1988</b> , 4, 104-108		4
392	. <b>1988</b> , 4, 403-410		239
391	. <b>1988</b> , 4, 434-440		155
390	Design of robot manipulators based on kinematic analyses. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>1988</b> , 4, 203-209	9.2	1
389	The mechanical efficiency and kinematics of pantograph-type manipulators. <b>1988</b> , 2, 69-78		3
388	Computational methods in constrained multibody dynamics: Matrix formalisms. <b>1988</b> , 29, 331-338		10
387	Methods of identification of geometrical data in robot kinematics. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>1988</b> , 4, 181-185	9.2	8
386	Kinematic equations and solutions of a human-arm-like robot manipulator. <b>1988</b> , 4, 65-72		1
385	Redundant robot control using task based performance measures. <b>1988</b> , 5, 409-432		58
384	.		5
383	Redundancy control of a free-flying telerobot. <b>1988</b> ,		1
382	.		3
381	. <b>1988</b> , 24, 535-541		29
380	.		11
379	An Efficient Computation Method for Kinematic Control of Redundant Manipulators.		
378	.		32

377	.			2
376	.			2
375	.			21
374	.			4
373	.			27
372	Control of robots having redundant degrees of freedom. <i>Advanced Robotics</i> , <b>1988</b> , 3, 61-73		1.7	2
371	Robot Manipulator Dynamics ¶owards Better Computational Algorithms. <b>1988</b> , 21, 69-74			1
370	Optimal Continuous-Path Control for Manipulators with Redundant Degrees of Freedom. <b>1988</b> , 21, 237-242			
369	On the Optimal Path Generation for Redundant Robot Manipulators. <b>1988</b> , 21, 523-528			
368	The Augmented Task Space Approach for Redundant Manipulator Control. <b>1988</b> , 21, 125-129			
367	On Some Problems in Kinematic Control of Manipulation Robots: The Structural Regularity Approach. <b>1988</b> , 21, 131-136			
366	.			8
365	.			7
364	A study on the movement capability of robot manipulators.			
363	.			
362	.			9
361	.			2
360	. <b>1989</b> ,			24



359	Methods of Analysis of Constrained Multibody Systems. <b>1989</b> , 17, 135-143	11
358	Kinematic Inversion of Robotic Manipulators in the Presence of Redundancies. <b>1989</b> , 8, 80-97	26
357	Self motion determination based on actuator velocity bounds for redundant manipulators. <b>1989</b> , 6, 417-425	18
356	Redundancy resolution through local optimization: A review. <b>1989</b> , 6, 769-798	187
355	. <b>1989</b> , 19, 1154-1166	8
354	A discrete-time optimal adaptive control law for a robot arm. <b>1989</b> , 10, 1-20	1
353	A comparison of analysis methods of redundant multibody systems. <b>1989</b> , 16, 175-182	4
352	.	2
351	. <b>1989</b> , 9, 70-74	10
350	. <b>1989</b> , 5, 78-97	124
349	A global approach for the path generation of redundant manipulators.	
348	.	1
347	.	28
346	A Dynamical Approach to Gestural Patterning in Speech Production. <b>1989</b> , 1, 333-382	499
345	Closed-loop kinematic calibration of the Utah-MIT hand. <b>1990</b> , 539-552	9
344	Formulation of manipulator Jacobian using the velocity similarity principle. <b>1990</b> , 8, 81-84	4
343	Identification and Regulation of Mechanical Impedance for Force Control of Robot Manipulators. <b>1990</b> , 23, 169-174	1
342	. <b>1990</b> , 20, 725-733	5

341	An efficient local approach for the path generation of robot manipulators. <b>1990</b> , 7, 23-55	15
340	A global approach for the optimal path generation of redundant robot manipulators. <b>1990</b> , 7, 107-128	10
339	Use of high-gain observers in the inverse kinematic problem. <b>1990</b> , 3, 97-100	5
338	Using Momentum Conservation to Control Kinematically Redundant Manipulators.	
337	Parallel processing within motor areas of cerebral cortex and basal ganglia in the monkey. <b>1990</b> ,	
336	.	22
335	.	1
334	. <b>1990</b> ,	5
333	Robust trajectory following of robots using computed torque structure with VSS. <b>1990</b> , 52, 935-962	47
332	.	2
331	.	49
330	. <b>1990</b> , 6, 219-231	45
329	The Kinematics and Dynamics of Space Manipulators: The Virtual Manipulator Approach. <b>1990</b> , 9, 3-21	200
328	.	3
327	. <b>1991</b> , 7, 31-47	116
326	. <b>1991</b> , 7, 579-588	50
325	.	2
324	.	7

323	.			3
322	.	<b>1991</b> , 7, 597-606		110
321	Series-Parallel Dualities in Actively Coordinated Mechanisms.	<b>1991</b> , 10, 473-480		90
320	Unifying Screw Geometry and Matrix Transformations.	<b>1991</b> , 10, 454-472		31
319	Control of robotic systems through singularities.	<b>1991</b> , 285-295		8
318	Resolving Redundancy Through a Weighted Damped Least-Squares Solution.	<b>1991</b> , 24, 99-104		
317	A direct algorithm for continuous path control of manipulators.	<i>Robotics and Computer-Integrated Manufacturing</i> , <b>1991</b> , 8, 97-101	9.2	4
316	Local parametric representation of displacement functions for linkages and manipulators.	<i>Mechanism and Machine Theory</i> , <b>1991</b> , 26, 41-53	4	7
315	Uncertainty and Compliance of Robot Manipulators with Applications to Task Feasibility.	<b>1991</b> , 10, 200-213		25
314	.			7
313	.	<b>1991</b> ,		41
312	.			
311	Autonomous Robot Calibration for Hand-Eye Coordination.	<b>1991</b> , 10, 550-559		90
310	Practical inverse kinematics of a kinematically redundant robot using a neural network.	<i>Advanced Robotics</i> , <b>1991</b> , 6, 431-440	1.7	3
309	Geometry and Prediction of Drift-Free Trajectories for Redundant Machines Under Pseudoinverse Control.	<b>1992</b> , 11, 41-52		10
308	Early stages in a sensorimotor transformation.	<b>1992</b> , 15, 309-320		368
307	.			6
306	A parallel algorithm for generating set points in cartesian space for spline motion.	<b>1992</b> , 15, 39-51		0

305	.		1
304	Weighted damped least-squares in kinematic control of robotic manipulators. <i>Advanced Robotics</i> , 1992, 7, 201-218	1.7	7
303	A Method for Solving Inverse Kinematics of Variable Structure Truss Arm with High Redundancy. 1992, 3, 631-645		1
302	Chapter 7 Multi-Sensory Control of Coordinated Movement. 1992, 195-231		2
301	What do pointing errors really tell us about internal coordinate transformations?. 1992, 15, 333-335		3
300	For effective sensorimotor processing must there be explicit representations and reconciliation of differing frames of reference?. 1992, 15, 321-322		35
299	Schemas, grasping, tensors and avoidance. 1992, 15, 322-323		
298	Apparent approximations in sensorimotor transformations are due to errors in pointing. 1992, 15, 323-324		
297	Two paradoxes of pointing. 1992, 15, 324-325		3
296	Coordinate transformation and limb movements: There may be more complexity than meets the eye. 1992, 15, 326-326		79
295	The mapping of visual space is a function of the structure of the visual field. 1992, 15, 326-327		8
294	Error analysis, regression and coordinate systems. 1992, 15, 327-329		5
293	Sensorimotor transformations for saccades in the primate posterior parietal cortex. 1992, 15, 329-330		
292	Do reaches in the dark shed sufficient light on internal representations?. 1992, 15, 330-332		
291	Cortical mechanisms of visuomotor transformations underlying arm movements to visual targets. 1992, 15, 332-333		1
290	Kinesthesia and unique solutions for control of multijoint movements. 1992, 15, 335-335		57
289	Now you see it, now you don't: How delaying an action system can transform a theory. 1992, 15, 335-336		33
288	In reaching, the task is to move the hand to a target. 1992, 15, 337-339		11

- 287 Central spatial representations and mapping the sensorimotor interface: How early is early, how late is late, and what difference does it all make anyhow?. **1992**, 15, 339-341 1
- 286 Are errors in final position destined before the movement begins?. **1992**, 15, 341-342 1
- 285 Physical modeling applies to physiology, too. **1992**, 15, 342-343 5
- 284 Information decay during response delay. **1992**, 15, 343-344
- 283 Limitations on the what reaching can tell us about sensorimotor transformations. **1992**, 15, 344-344
- 282 Coordinate transformations in postural control. **1992**, 15, 345-345
- 281 Coordinate transformations: Some basic questions. **1992**, 15, 345-346 1
- 280 Invariants of the second transformation expressed in activation ranges. **1992**, 15, 346-348
- 279 Coordinate transformations or dynamic models?. **1992**, 15, 348-348
- 278 Coordinate transformations in orofacial movements. **1992**, 15, 348-349
- 277 S-O-R: Wrong model for pointing. **1992**, 15, 349-350
- 276 Approximations might lead to errors in brain science. **1992**, 15, 350-351
- 275 Reaching the point where you have to move a head. **1992**, 15, 351-352
- 274 Distance errors: Pointing to the range effect. **1992**, 15, 352-353
- 273 Systematic, idiosyncratic reaching errors. **1992**, 15, 353-354
- 272 In the dark about pointing: What's the point?. **1992**, 15, 354-362
- 271 Continuous path planning via a non-inverting parallel algorithm. **1992**, 10, 205-216 2
- 270 . **1992**, 8, 545-559 34

269	.		4
268	.		27
267	The Design of Isotropic Manipulator Architectures in the Presence of Redundancies. <b>1992</b> , 11, 196-201		96
266	. <b>1992</b> , 8, 759-767		23
265	A noninverting algorithm for path tracking of two cooperating robot arms and its parallel implementation. <b>1992</b> , 5, 105-127		5
264	On the fast simulation of Direct and Inverse Jacobians for robot manipulators. <b>1992</b> , 10, 43-61		1
263	Procedure for manipulator inverse kinematics computation and proper pseudoinverse perturbation. <b>1992</b> , 9, 681-702		2
262	Static modeling and control of redundant manipulators. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>1992</b> , 9, 145-157	9.2	17
261	. <b>1992</b> , 25, 21-31		19
260	. <b>1992</b> , 22, 790-798		14
259	Transputer arrays for the on-line computation of robot jacobians. <b>1992</b> , 4, 399-412		2
258	Comparison of parallel computation schemes for calculating robot Jacobians. <b>1993</b> , 3, 107-118		
257	Centralized and decentralized neuro-adaptive robot controllers. <b>1993</b> , 6, 223-244		27
256	Position kinematics of a two limbed mixed mechanism. <i>Mechanism and Machine Theory</i> , <b>1993</b> , 28, 763-774		3
255	A fast procedure for manipulator inverse kinematics computation and singularities prevention. <b>1993</b> , 10, 45-72		13
254	Estimate of the two smallest singular values of the Jacobian Matrix: Application to damped least-squares inverse kinematics. <b>1993</b> , 10, 991-1008		30
253	Singularity-robust decoupled control of dual-elbow manipulators. <b>1993</b> , 8, 225-243		1
252	. <b>1993</b> , 9, 854-857		4

251	.	13
250	Motion control of mobile manipulators.	3
249	Motion planning and control of nonredundant manipulators at singularities.	12
248	.	
247	. <b>1993</b> , 9, 125-139	50
246	.	27
245	.	
244	Simultaneous computation of robot kinematics and differential kinematics with automatic differentiation.	2
243	.	
242	.	7
241	.	57
240	A Theory of Generalized Inverses Applied to Robotics. <b>1993</b> , 12, 1-19	205
239	Coordination of Motion in a Spacecraft/ Manipulator System. <b>1993</b> , 12, 366-379	25
238	Robot control in singular configurations [Analysis and experimental results. <b>1993</b> , 25-34	2
237	Optimal load distribution for two cooperating robots using a force ellipsoid. <b>1993</b> , 11, 61-72	13
236	A Comparison of Two Minimally-Singular Articulated Arm-Subassemblies. <b>1994</b> , 351-358	
235	.	0
234	.	

233	.	
232	.	
231	Experiments in high-performance robotic visual servoing. <b>1994</b> , 193-205	2
230	Inverse kinematics positioning using nonlinear programming for highly articulated figures. <b>1994</b> , 13, 313-336	208
229	On rotation representations in computational robot kinematics. <b>1994</b> , 9, 5-23	4
228	Redundant arm kinematic control with recurrent loop. <b>1994</b> , 7, 643-659	23
227	Torque optimization schemes for kinematically redundant manipulators. <b>1994</b> , 11, 257-269	36
226	.	8
225	. <b>1994</b> , 10, 1-10	68
224	.	1
223	. <b>1994</b> , 10, 65-71	113
222	. <b>1994</b> , 2, 123-134	179
221	. <b>1994</b> , 10, 334-342	84
220	Redundancy Resolution of Robotic Manipulators Using Normalized Generalized Inverses. <b>1995</b> , 117, 454-459	3
219	On the sensitivity analysis of the computational kinematics of the robotic manipulators. <b>1995</b> , 13, 575-581	
218	Feasibility studies of kinematics problems in the case of a class of redundant manipulators. <b>1995</b> , 13, 233-241	9
217	. <b>1995</b> , 25, 1521-1530	55
216	The mechanical design of a seven-axes manipulator with kinematic isotropy. <b>1995</b> , 14, 21-41	42



215	Analysis of kinematic invariances of multijoint reaching movement. <b>1995</b> , 73, 311-22		19
214	Optimization of robot links motion in inverse kinematics solution considering collision avoidance and joint limits. <i>Mechanism and Machine Theory</i> , <b>1995</b> , 30, 653-663	4	13
213	Application of instantaneous invariants to the path tracking control problem of planar two degree-of-freedom systems: A singularity-free mapping of trajectory geometry. <i>Mechanism and Machine Theory</i> , <b>1995</b> , 30, 883-896	4	9
212	Control and simulation for a closed-chain dual redundant ' manipulator system. <b>1995</b> , 12, 119-133		7
211	Path tracking with the links of a planar hyper- redundant robotic manipulator. <b>1995</b> , 12, 189-197		5
210	A new approach to the kinematic control of redundant manipulators.		
209	Coordinated-motion control of heavy-duty industrial machines with redundancy. <b>1995</b> , 13, 623-633		5
208	. <b>1995</b> , 11, 286-292		240
207	Optimal Location of Path Following Tasks in the Workspace of a Manipulator Using Genetic Algorithms. <b>1996</b> , 179-188		3
206	Tongue Model for Characterizing Vocal Tract Kinematics. <b>1996</b> , 217-224		1
205	The Kinematic Sensitivities of Redundant Robotic Manipulators. <b>1996</b> , 17-26		
204	Desingularization of resolved motion rate control of mechanisms.		5
203	Planning of smooth motions on SE(3).		17
202	A robotics toolbox for MATLAB. <b>1996</b> , 3, 24-32		459
201	A tutorial on visual servo control. <b>1996</b> , 12, 651-670		2028
200	Symbolic differentiation of the velocity mapping for a serial kinematic chain. <i>Mechanism and Machine Theory</i> , <b>1996</b> , 31, 135-148	4	22
199	Application of genetic algorithms to point-to-point motion of redundant manipulators. <i>Mechanism and Machine Theory</i> , <b>1996</b> , 31, 261-270	4	15
198	Error-back-propagation solution to the inverse kinematic problem of redundant manipulators. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>1996</b> , 12, 303-310	9.2	12

197	A human system learning model for solving the inverse kinematics problem by direct inverse modeling. <b>1996</b> , 27, 53-68		1
196	Multiple-goal considerations for redundant manipulators.		1
195	MOTIONS WITH MINIMAL JOINT SPEEDS AND JOINT ACCELERATIONS FOR REDUNDANT MANIPULATORS. <i>Engineering Optimization</i> , <b>1996</b> , 25, 277-294	2	
194	Priority considerations for multiple goals of redundant manipulators. <b>1996</b> , 19, 499-513		
193	. <b>1997</b> , 16, 60-76		20
192	Redundancy utilization for obstacle avoidance of planar robot manipulators. <b>1997</b> , 211, 463-475		4
191	Generalized impedance control of a redundant manipulator for handling tasks with position uncertainty while avoiding obstacles.		2
190	A modular reinforcement-based neural controller for a three-link manipulator.		0
189	Optimal redundancy resolution for cooperative industrial robots.		
188	The improved parallel scheme for multiple-goal priority considerations of redundant manipulators.		1
187	Joint configuration conservation and joint limit avoidance of redundant manipulators.		1
186	Resolved-rate and resolved-acceleration-based robot control in the presence of actuators' constraints.		5
185	Combining reinforcement learning and differential inverse kinematics for collision-free motion of multilink manipulators. <b>1997</b> , 1324-1333		1
184	Removing singularities of resolved motion rate control of mechanisms, including self-motion. <b>1997</b> , 13, 741-751		21
183	Window-shaped obstacle avoidance for a redundant manipulator.		1
182	Globally Optimal Trajectory Planning for Redundant Manipulators using State Space Augmentation Method. <b>1997</b> , 19, 105-117		7
181	The dual angle and axis of a screw motion. <i>Mechanism and Machine Theory</i> , <b>1998</b> , 33, 331-340	4	6
180	Comparison of an exact and an approximate method of singularity avoidance in platform type parallel manipulators. <i>Mechanism and Machine Theory</i> , <b>1998</b> , 33, 965-974	4	76

179	Force redundancy in parallel manipulators: theoretical and practical issues. <i>Mechanism and Machine Theory</i> , <b>1998</b> , 33, 727-742	4	138
178	Parametric uncertainty on manipulators dynamics. <i>Mechanism and Machine Theory</i> , <b>1998</b> , 33, 945-956	4	1
177	Model-driven active visual tracking. <b>1998</b> , 4, 349-359		
176	Learning reaching strategies through reinforcement for a sensor-based manipulator. <b>1998</b> , 11, 359-76		6
175	Window-shaped obstacle avoidance for a redundant manipulator. <b>1998</b> , 28, 806-15		27
174	Desingularization of nonredundant serial manipulator trajectories using Puiseux series. <b>1998</b> , 14, 590-600		9
173	On the generation of smooth three-dimensional rigid body motions. <b>1998</b> , 14, 576-589		103
172	A normal form solution to the singular inverse kinematic problem for robotic manipulators: the quadratic case.		3
171	Singular inverse kinematic problem for robotic manipulators: a normal form approach. <b>1998</b> , 14, 93-104		37
170	Redundancy-Resolution Algorithms for Isotropic Robots. <b>1998</b> , 425-434		3
169	Resolved rate and acceleration control in the presence of actuator constraints. <b>1998</b> , 18, 42-47		16
168	Kinematic coordination of reach and balance. <b>1998</b> , 30, 217-33		4
167	Fault-tolerant control and optimal operation of redundant robotic manipulators.		
166	Redundancy resolution of a Cartesian space operated heavy industrial manipulator.		5
165	Online kinematic Jacobian uncertainty compensation for robot manipulators using neural network.		
164	Task skill formation in redundant manipulator systems.		1
163	A Solution to the Singular Inverse Kinematic Problem for a Planar Manipulation Robot Mounted on a Track. <b>1998</b> , 31, 139-144		2
162	Implementation of force control on redundant robot.		5

161	Experiments on impedance control of redundant manipulators.	2
160	Metrics and Connections for Rigid-Body Kinematics. <b>1999</b> , 18, 242-1-242-16	16
159	Dynamic robot manipulator trajectory planning for obstacle avoidance. <b>1999</b> , 26, 139-144	3
158	Redundancy resolution and obstacle avoidance for cooperative industrial robots. <b>1999</b> , 16, 405-417	12
157	A Lagrangian network for kinematic control of redundant robot manipulators. <b>1999</b> , 10, 1123-32	76
156	A novel variational approach for collision-free trajectory planning of robot manipulators.	
155	Controlling robotic manipulators through singular configurations: An overview. <b>1999</b> , 32, 839-842	
154	Motion Control Strategy for Robot Manipulators in the Neighbourhood of Singularities. <b>2000</b> , 33, 275-280	
153	Robot arm reaching through neural inversions and reinforcement learning. <b>2000</b> , 31, 227-246	13
152	Real-Time Solution of the Inverse Kinematic-Rate Problem. <b>2000</b> , 19, 1236-1244	9
151	Human Modeling: Inverse Kinematics with Maximum Joint Availability. <b>2000</b> , 44, 848-851	
150	Hyperbolic normal forms for manipulator kinematics. <b>2000</b> , 16, 196-201	2
149	Inverse kinematics analysis of a parallel redundant manipulator by means of differential evolution. <b>2001</b> , 321-326	
148	Human-like behavior of robot arms: general considerations and the handwriting taskPart I: mathematical description of human-like motion: distributed positioning and virtual fatigue. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2001</b> , 17, 305-315	9.2 17
147	Jacobian motion and its derivatives. <b>2001</b> , 11, 563-593	4
146	Path-constrained trajectory planning of robot arm passing through singularities.	1
145	Robotic grasping: gripper designs, control methods and grasp configurations [a review of research. <b>2002</b> , 13, 520-531	17
144	A method for the study of position in highly redundant multibody systems in environments with obstacles. <b>2002</b> , 18, 257-262	9

143	Motion in human and machine: A virtual fatigue approach. <b>2002</b> , 32, 582-595		3
142	A solution to the singular inverse kinematic problem for a manipulation robot mounted on a track. <b>2002</b> , 10, 35-43		6
141	NURBS to Avoid Boundary Orientation Poses in Serial Manipulators. <b>2003</b> , 20, 723-736		
140	Illustrating man-machine motion analogy in robotics - The handwriting problem. <b>2003</b> , 10, 35-46		16
139	Inverse position problem in highly redundant multibody systems in environments with obstacles. <i>Mechanism and Machine Theory</i> , <b>2003</b> , 38, 1215-1235	4	9
138	An engineering approach to the dynamic control of space robotic on-orbit servicers. <b>2004</b> , 218, 79-98		24
137	Calibrating human hand for teleoperating the HIT/DLR hand. <b>2004</b> ,		0
136	An evaluation of ultrasonic motors as driving technology in impedance controlled robots. <b>2004</b> ,		
135	Multibody dynamics of closed, open, and switching loop mechanical systems. <b>2005</b> , 19, 237-254		1
134	Theoretical Investigation of a Time-Suboptimal Control Method for Rotational Motions of Industrial Manipulators End-Effectors. <b>2005</b> , 44, 71-92		1
133	ROBOTIC HANDWRITING. <b>2005</b> , 02, 105-124		10
132	Uncalibrated visual-servoing of a dual-arm robot for surgical tasks.		10
131	Uncalibrated Visual-Servoing of a Dual-Arm Robot for MIS Suturing.		21
130	Optimal Motion Planning Passing Through Kinematic Singularities for Robot Arms. <b>2006</b> ,		1
129	OPTIMAL PLACEMENT OF PATH FOLLOWING ROBOT TASK USING GENETIC ALGORITHMS. <b>2006</b> , 39, 132-137		1
128	AN ADAPTIVE GENETIC ALGORITHM FOR REAL-TIME ROBOTIC TRAJECTORY TRACKING. <b>2006</b> , 39, 199-204		1
127	A new finite element to represent prismatic joint constraints in mechanisms. <b>2006</b> , 43, 36-50		9
126	Enhancement of Boundary Condition Relaxation Method for 3D Hopping Motion Planning of Biped Robots. <b>2007</b> ,		17

125	Acceleration-based force-impedance control of a six-dof parallel manipulator. <b>2007</b> , 34, 386-399	9
124	Inverse Kinematics of 7-DOF Robots and Limbs by Decomposition and Approximation. <b>2007</b> , 23, 595-600	21
123	Kinematics. <b>2008</b> , 9-33	40
122	Kinematically Redundant Manipulators. <b>2008</b> , 245-268	100
121	Image Stabilization for In Vivo Microscopy by High-Speed Visual Feedback Control. <b>2008</b> , 24, 45-54	34
120	The joint-limits and singularity avoidance in robotic welding. <b>2008</b> , 35, 456-464	59
119	Optimal trajectory planning for a redundant mobile manipulator with non-holonomic constraints performing push/pull tasks. <b>2008</b> , 26, 385-394	10
118	A Novel Concept for Building a Hyper-Redundant Chain Robot. <b>2009</b> , 25, 1237-1248	28
117	. <b>2009</b> ,	18
116	Continuity of Varying-Feature-Set Control Laws. <b>2009</b> , 54, 2493-2505	65
115	The differential calculus of screws: Theory, geometrical interpretation, and applications. <b>2009</b> , 223, 1449-1468	13
114	. <b>2009</b> ,	2
113	Statistical Learning by Imitation of Competing Constraints in Joint Space and Task Space. <i>Advanced Robotics</i> , <b>2009</b> , 23, 2059-2076	1.7 69
112	Modeling and Identification of Serial Robots. <b>2010</b> , 1-79	2
111	The Current Situation and Progress of 4-DOF Parallel Robot. <b>2010</b> , 37-38, 1433-1436	0
110	Obstacle avoidance for redundant manipulators based on a Novel Gradient Projection Method with a functional scalar. <b>2010</b> ,	5
109	General-Weighted Least-Norm Control for Redundant Manipulators. <b>2010</b> , 26, 660-669	67
108	Solvability-Unconcerned Inverse Kinematics by the Levenberg-Marquardt Method. <b>2011</b> , 27, 984-991	103

107	Solvability-unconcerned Inverse Kinematics by Levenberg-Marquardt Method. <i>Journal of the Robotics Society of Japan</i> , <b>2011</b> , 29, 269-277	0.1	2
106	The self-adaptation of weights for joint-limits and singularity avoidances of functionally redundant robotic-task. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2011</b> , 27, 367-376	9.2	36
105	Stereographic projection for industrial manipulator tasks: Theory and experiments. <b>2011</b> ,		3
104	Active camera control with obstacle avoidance for remote operations with industrial manipulators: Implementation and experimental results. <b>2011</b> ,		9
103	Fast inverse kinematics algorithm for large DOF system with decomposed gradient computation based on recursive formulation of equilibrium. <b>2012</b> ,		12
102	Large-amplitude base-motion compensation of a serial robot using an inertial measurement unit. <b>2012</b> ,		1
101	CAM-Rob postprocessor based on a fuzzified redundancy resolution scheme. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2012</b> , 62, 705-718	3.2	1
100	Implementation and testing of a CAM postprocessor for an industrial redundant workcell with evaluation of several fuzzified Redundancy Resolution Schemes. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2012</b> , 28, 265-274	9.2	15
99	Ageing of internal models: from a continuous to an intermittent proprioceptive control of movement. <b>2013</b> , 35, 1339-55		46
98	CYRUS algorithms for manipulators inverse kinematics. <b>2013</b> ,		
97	Design of a force feedback tele-operation master manipulator. <b>2014</b> ,		
96	Fast dual-arm manipulation using variable admittance control: Implementation and experimental results. <b>2014</b> ,		5
95	Simultaneous global inverse kinematics and geometric parameter identification of human skeletal model from motion capture data. <i>Mechanism and Machine Theory</i> , <b>2014</b> , 74, 274-284	4	18
94	Kineto Static Design and Stiffness Analysis of a New Kind of 3-RRR Planar Parallel Manipulator. <b>2014</b> , 592-594, 2303-2307		
93	Hierarchical quadratic programming: Fast online humanoid-robot motion generation. <b>2014</b> , 33, 1006-1028		287
92	Higher derivatives of the kinematic mapping and some applications. <i>Mechanism and Machine Theory</i> , <b>2014</b> , 76, 70-85	4	34
91	Infeasibility-free inverse kinematics method. <b>2015</b> ,		2
90	Inverse kinematics with knee extension walking pattern for bipedal fast walking. <b>2015</b> ,		

89	Continuum Robots for Medical Applications: A Survey. <b>2015</b> , 31, 1261-1280		600
88	An Approach to Determining the Unknown Twist/Wrench Subspaces of Lower Mobility Serial Kinematic Chains. <i>Journal of Mechanisms and Robotics</i> , <b>2015</b> , 7,	2.2	25
87	Valkyrie: NASA's First Bipedal Humanoid Robot. <b>2015</b> , 32, 397-419		147
86	A new automatic motion planning algorithm for a 4-degree-of-freedom parallel kinematic manipulator based on the centre sphere method. <b>2015</b> , 229, 64-77		2
85	Kinematics. <b>2016</b> , 11-36		18
84	On inverse kinematics with inequality constraints: new insights into minimum jerk trajectory generation. <i>Advanced Robotics</i> , <b>2016</b> , 30, 1164-1172	1.7	9
83	Numerical Solution of Inverse Kinematics. <i>Journal of the Robotics Society of Japan</i> , <b>2016</b> , 34, 167-173	0.1	2
82	Application of Hyper-Dual Numbers to Multibody Kinematics. <i>Journal of Mechanisms and Robotics</i> , <b>2016</b> , 8,	2.2	13
81	Bio-inspired kinematical control of redundant robotic manipulators. <i>Assembly Automation</i> , <b>2016</b> , 36, 200-215		12
80	Model-free learning on robot kinematic chains using a nested multi-agent topology. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , <b>2016</b> , 28, 913-954	2	1
79	Inverse kinematics for autonomous underwater manipulations using weighted damped least squares. <b>2017</b> ,		4
78	On Higher Order Inverse Kinematics Methods in Time-Optimal Trajectory Planning for Kinematically Redundant Manipulators. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 1681-1690	11.9	53
77	Toward Robotic Manipulation. <i>Annual Review of Control, Robotics, and Autonomous Systems</i> , <b>2018</b> , 1, 1-28	11.8	33
76	Screw and Lie group theory in multibody kinematics. <i>Multibody System Dynamics</i> , <b>2018</b> , 43, 37-70	2.8	23
75	Stable Numerical Solution of Inverse Kinematics in Singular Posture and Unsolvable Problem Based on Minimization of Elastic Energy of Virtual Spring. <i>Journal of the Robotics Society of Japan</i> , <b>2018</b> , 36, 645-653	0.1	2
74	An improved artificial potential field method of trajectory planning and obstacle avoidance for redundant manipulators. <i>International Journal of Advanced Robotic Systems</i> , <b>2018</b> , 15, 172988141879956 <sup>1.4</sup>		24
73	. <b>2018</b> ,		1
72	Dynamics of Humanoid Robots. <i>Journal of the Robotics Society of Japan</i> , <b>2018</b> , 36, 95-102	0.1	1



71	Spindle configuration analysis and optimization considering the deformation in robotic machining applications. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2018</b> , 54, 83-95	9.2	18
70	On prioritized inverse kinematics tasks: Time-space decoupling. <b>2018</b> ,		2
69	Method of defining region of allowed configurations in multidimensional space of generalized coordinates using hypercube graph. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1260, 072016	0.3	1
68	An overview of formulae for the higher-order kinematics of lower-pair chains with applications in robotics and mechanism theory. <i>Mechanism and Machine Theory</i> , <b>2019</b> , 142, 103594	4	15
67	A Technique Based on Adaptive Extended Jacobians for Improving the Robustness of the Inverse Numerical Kinematics of Redundant Robots. <i>Journal of Mechanisms and Robotics</i> , <b>2019</b> , 11,	2.2	6
66	Obstacle avoidance of redundant robotic manipulators using safety ring concept. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2019</b> , 32, 695-704	4.3	4
65	Predictive Inverse Kinematics: optimizing Future Trajectory through Implicit Time Integration and Future Jacobian Estimation. <b>2019</b> ,		1
64	A Comprehensive Positioning Accuracy Compensation Method Based on BP Neural Network of Industrial Robots. <b>2019</b> ,		
63	Historical Perspective and Scope. <b>2019</b> , 665-674		
62	Optimal joint motion for complicated welding geometry by a redundant robotic system. <i>Engineering Optimization</i> , <b>2020</b> , 52, 875-895	2	5
61	Geometric method for researching the robot service area under the obstacles for the limitations on links movement. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1546, 012040	0.3	
60	Robotic grinding of complex components: A step towards efficient and intelligent machining □ challenges, solutions, and applications. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2020</b> , 65, 101908	0.2	81
59	A survey: dynamics of humanoid robots. <i>Advanced Robotics</i> , <b>2020</b> , 34, 1338-1352	1.7	10
58	Hybrid active/passive force control strategy for grinding marks suppression and profile accuracy enhancement in robotic belt grinding of turbine blade. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2021</b> , 67, 102047	9.2	16
57	Encyclopedia of Robotics. <b>2021</b> , 1-3		
56	Graphic optimization model of the process of welding products by a robot based on Radishchev blueprint. <b>2021</b> , 63-73	0.1	
55	Design of linear surfaces that restrict the range of permissible positions of links of the manipulator mechanisms in implementation of instantaneous states. <b>2021</b> , 74-90	0.1	
54	Singularity Avoidance Path Planning on Cooperative Task of Dual Manipulator Using DDPG Algorithm. <i>The Journal of Korea Robotics Society</i> , <b>2021</b> , 16, 137-146	0.3	1

53	Optimization of tool orientation for improving the cleaning efficiency of offshore jacket-cleaning systems. <i>Applied Ocean Research</i> , <b>2021</b> , 112, 102687	3.4	3
52	Contact and Physical Interaction. <i>Annual Review of Control, Robotics, and Autonomous Systems</i> , <b>2022</b> , 5,	11.8	2
51	3D Perception for Mining Robotics. <b>1998</b> , 46-52		2
50	Visual Servo Control Admitting Joint Range of Motion Maximally. <i>Lecture Notes in Control and Information Sciences</i> , <b>2012</b> , 225-235	0.5	2
49	Optimization in Control of Robots. <b>1994</b> , 19-28		4
48	Task Dynamic Coordination of the Speech Articulators: A Preliminary Model. <b>1986</b> , 129-144		32
47	On The Parallel Algorithms for Robotic Computations. <b>1991</b> , 239-280		1
46	Identifying the Kinematics of Non-Redundant Serial Chain Manipulators by a Closed-loop Approach. <b>1989</b> , 513-524		5
45	Towards an Integrated View of 3-D Computer Animation. <b>1985</b> , 230-248		7
44	Contributions to MMS and IFToMM from USA. <i>Mechanisms and Machine Science</i> , <b>2011</b> , 461-475	0.3	1
43	Non-delayed Visual Servo Control Admitting Joint Range of Motion Maximally. <i>IEEE Transactions on Industry Applications</i> , <b>2012</b> , 132, 588-595	0.2	1
42	Kinematics. <b>2000</b> , 21-77		
41	Virtual Robot Experimentation Platform [A Versatile Small Footprint Robot Simulator. <i>Journal of Robotics and Mechatronics</i> , <b>2008</b> , 20, 47-60	0.7	1
40	Trajectory Planning: Continuous-Path Operations. <i>Mechanical Engineering Series</i> , <b>2014</b> , 465-506	0.3	
39	Kinetostatics of Serial Robots. <i>Mechanical Engineering Series</i> , <b>2014</b> , 185-254	0.3	
38	Kinematics and Rate Control of the Rancho Arm. <b>1972</b> , 253-272		
37	NEWTON [EULER FORMULATION OF MANIPULATOR DYNAMICS FOR COMPUTER CONTROL11Supported by NSF Grants ENG 76-18567 and APR 77-U533.. <b>1980</b> , 165-172		0
36	Constrained average path tracking for industrial robots. <b>1984</b> , 87-100		

- 35 Non-Adaptive Control of Manipulation Robots with Variable Parameters. **1985**, 36-183 2
- 34 Coordinate Transformations and Inverse Kinematics for Industrial Robots. **1985**, 25-29
- 33 Polyarticulated Mechanical Structure for Decoupling the Position and Orientation of a Robot. **1987**, 545-554
- 32 ON THE OPTIMAL PATH GENERATION FOR REDUNDANT ROBOT MANIPULATORS. **1989**, 523-528
- 31 OPTIMAL CONTINUOUS-PATH CONTROL FOR MANIPULATORS WITH REDUNDANT DEGREES OF FREEDOM. **1989**, 237-242 1
- 30 THE AUGMENTED TASK SPACE APPROACH FOR REDUNDANT MANIPULATOR CONTROL. **1989**, 125-129 1
- 29 ROBOT MANIPULATOR DYNAMICS TOWARDS BETTER COMPUTATIONAL ALGORITHMS. **1989**, 69-74
- 28 ON SOME PROBLEMS IN KINEMATIC CONTROL OF MANIPULATION ROBOTS: THE STRUCTURAL REGULARITY APPROACH. **1989**, 131-136
- 27 Imaginary Kinematics. **1991**, 55-62
- 26 RESOLVING REDUNDANCY THROUGH A WEIGHTED DAMPED LEAST-SQUARES SOLUTION. **1992**, 99-104
- 25 Dynamic 3D Vision : The Visually Controlled Robot. **1992**, 67-86 1
- 24 Jacobian Motion: A Direct Approach. **1994**, 301-307
- 23 Control of Redundant Robots at Singularities in Degenerate Directions. **1997**, 319-326
- 22 Remotely Controlled Manipulators: Use and Structure. **1998**, 9-26
- 21 Computational modeling for the computer animation of legged figures. **1998**, 255-262
- 20 Solution Space of Inverse Differential Kinematics. *The Journal of Korea Robotics Society*, **2015**, 10, 230-243 2
- 19 Introduction. 1-41
- 18 Historical Perspective and Scope. **2017**, 1-10

17	Foot Reaction Analysis of Whole Body Dynamic via Screw Theory. <i>Mechanisms and Machine Science</i> , <b>2019</b> , 103-118	0.3	
16	Touch Screen Based Assistance Technique for Underwater Manipulation of Cable Burying ROV. <i>Journal of the Korean Society for Precision Engineering</i> , <b>2019</b> , 36, 349-361	0.3	1
15	Rectilinear Tasks Optimization of a Modular Serial Metamorphic Manipulator. <i>Journal of Mechanisms and Robotics</i> , <b>2021</b> , 13,	2.2	4
14	Kinematics and Singularity Analysis of a 7-DOF Redundant Manipulator. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
13	RELAXED PATH TRACKING OF MECHANICAL MANIPULATORS BY PARAMETER ESTIMATION. <b>1983</b> , 103-107		
12	Path Planning Based on Differential Kinematics for Passing Through Small Opening by Transformable Multilinked Aerial Robot. <i>Springer Proceedings in Advanced Robotics</i> , <b>2020</b> , 536-548	0.6	
11	Software architecture for manufacturing and space robotics. <b>1987</b> ,		
10	Self-organized learning and its implementation of robot movements.		
9	Experimental Verification of Optimized Anatomies on a Serial Metamorphic Manipulator.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	1
8	Inverse Kinematics Solution of Underwater Manipulator Based on Jacobi Matrix. <b>2021</b> ,		1
7	Inverse Kinematics Model for a Ship Mounted Two-DoF Manipulator System. <b>2021</b> ,		
6	MOPS: A Modular and Open Platform for Surgical Robotics Research. <b>2021</b> ,		3
5	Performance Index for Dimensional Synthesis of Robots for Specific Tasks. <i>Robotics</i> , <b>2022</b> , 11, 51	2.8	1
4	The posture optimization method based on deformation index in robotic milling process. <i>International Journal of Advanced Manufacturing Technology</i> ,	3.2	
3	Identification of inverse kinematic parameters in redundant systems: Towards quantification of inter-joint coordination in the human upper extremity. <b>2022</b> , 17, e0278228		1
2	SIMULATION OF HYPERSURFACES BASED ON THE DATABASE OF KINEMATIC PARAMETERS OF THE ANDROID ROBOT MECHANISM. <b>2022</b> , 21-29		0
1	An Optimal Dynamic Control Method for Robots with Virtual Links. <b>2022</b> ,		0