

Gretchen D Oliver

List of Publications by Year in descending order

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papers

1,219
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430874

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#	ARTICLE	IF	CITATIONS
1	Pelvis and Torso Kinematics and Their Relationship to Shoulder Kinematics in High-School Baseball Pitchers. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 3241-3246.	2.1	88
2	Gluteal Muscle Group Activation and its Relationship With Pelvis and Torso Kinematics in High-School Baseball Pitchers. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 3015-3022.	2.1	79
3	Ground reaction forces, kinematics, and muscle activations during the windmill softball pitch. <i>Journal of Sports Sciences</i> , 2011, 29, 1071-1077.	2.0	51
4	Functional Balance Training in Collegiate Women Athletes. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 2124-2129.	2.1	45
5	Kinematic Motion of the Windmill Softball Pitch in Prepubescent and Pubescent Girls. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 2400-2407.	2.1	44
6	Muscle Activation Patterns of the Upper and Lower Extremity During the Windmill Softball Pitch. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 1653-1658.	2.1	43
7	Electromyographic Examination of Selected Muscle Activation During Isometric Core Exercises. <i>Clinical Journal of Sport Medicine</i> , 2010, 20, 452-457.	1.8	33
8	The Relationship Between Gluteal Muscle Activation and Throwing Kinematics in Baseball and Softball Catchers. <i>Journal of Strength and Conditioning Research</i> , 2014, 28, 87-96.	2.1	33
9	Relationship between gluteal muscle activation and upper extremity kinematics and kinetics in softball position players. <i>Medical and Biological Engineering and Computing</i> , 2014, 52, 265-270.	2.8	32
10	Upper Extremity Pain and Pitching Mechanics in National Collegiate Athletic Association (NCAA) Division I Softball. <i>International Journal of Sports Medicine</i> , 2018, 39, 929-935.	1.7	32
11	Comparison of pitching kinematics between youth and adult baseball pitchers: a meta-analytic approach. <i>Sports Biomechanics</i> , 2013, 12, 315-323.	1.6	30
12	Association of Upper Extremity Pain With Softball Pitching Kinematics and Kinetics. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711986517.	1.7	24
13	Muscle Activation of Different Core Exercises. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 3069-3074.	2.1	23
14	Gluteus Medius and Scapula Muscle Activations in Youth Baseball Pitchers. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 1494-1499.	2.1	23
15	Epidemiology of Shoulder and Elbow Injuries Among US High School Softball Players, 2005-2006 Through 2016-2017. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711986742.	1.7	22
16	PITCHING MECHANICS IN FEMALE YOUTH FASTPITCH SOFTBALL. <i>International Journal of Sports Physical Therapy</i> , 2018, 13, 493-500.	1.3	22
17	Functional differences in softball pitchers with and without upper extremity pain. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 1079-1083.	1.3	21
18	Quantitative Examination of Upper and Lower Extremity Muscle Activation During Common Shoulder Rehabilitation Exercises Using the Bodyblade. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 2509-2517.	2.1	20

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19	Quantitative Analysis of Proximal and Distal Kinetic Chain Musculature During Dynamic Exercises. <i>Journal of Strength and Conditioning Research</i> , 2018, 32, 1545-1553.	2.1	20
20	A biomechanical model correlating shoulder kinetics to pain in young baseball pitchers. <i>Journal of Human Kinetics</i> , 2012, 34, 15-20.	1.5	18
21	Hip and Shoulder Range of Motion in Youth Baseball Pitchers. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 2823-2827.	2.1	18
22	Relationship of Glove Arm Kinematics With Established Pitching Kinematic and Kinetic Variables Among Youth Baseball Pitchers. <i>Orthopaedic Journal of Sports Medicine</i> , 2018, 6, 232596711878493.	1.7	17
23	The Role of Lumbopelvic-Hip Complex Stability in Softball Throwing Mechanics. <i>Journal of Sport Rehabilitation</i> , 2019, 28, 196-204.	1.0	17
24	Shoulder kinematics during pitching: Comparing the slide step and traditional stretch deliveries. <i>Human Movement Science</i> , 2012, 31, 1191-1199.	1.4	16
25	Electromyographic Analysis of Traditional and Kinetic Chain Exercises for Dynamic Shoulder Movements. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 3146-3154.	2.1	16
26	Effects of a Simulated Game on Upper Extremity Pitching Mechanics and Muscle Activations Among Various Pitch Types in Youth Baseball Pitchers. <i>Journal of Pediatric Orthopaedics</i> , 2019, 39, 387-393.	1.2	16
27	Comparison of Hamstring and Gluteus Muscles Electromyographic Activity while Performing the Razor Curl vs. the Traditional Prone Hamstring Curl. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 2250-2255.	2.1	15
28	HIP AND GLENOHUMERAL PASSIVE RANGE OF MOTION IN COLLEGIATE SOFTBALL PLAYERS. <i>International Journal of Sports Physical Therapy</i> , 2016, 11, 738-745.	1.3	15
29	The Razor Curl: A Functional Approach to Hamstring Training. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 401-405.	2.1	14
30	TRUNK LEAN DURING A SINGLE-LEG SQUAT IS ASSOCIATED WITH TRUNK LEAN DURING PITCHING. <i>International Journal of Sports Physical Therapy</i> , 2018, 13, 58-65.	1.3	14
31	Effects of a Simulated Game on Muscle Activation in Youth Baseball Pitchers. <i>Journal of Strength and Conditioning Research</i> , 2016, 30, 415-420.	2.1	13
32	The effects of localised fatigue on upper extremity jump shot kinematics and kinetics in team handball. <i>Journal of Sports Sciences</i> , 2017, 35, 182-188.	2.0	13
33	Effects of a Simulated Game on Pitching Kinematics in Youth Softball Pitcher. <i>International Journal of Sports Medicine</i> , 2020, 41, 189-195.	1.7	13
34	Lower Body Predictors of Glenohumeral Compressive Force in High School Baseball Pitchers. <i>Journal of Applied Biomechanics</i> , 2015, 31, 181-188.	0.8	12
35	Descriptive analysis of kinematics and kinetics of catchers throwing to second base from their knees. <i>Journal of Electromyography and Kinesiology</i> , 2016, 29, 107-112.	1.7	12
36	Classification of lumbopelvic-hip complex instability on kinematics amongst female team handball athletes. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 805-810.	1.3	12

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37	Biceps Tendon Changes in Youth Softball Pitchers Following an Acute Bout of Pitching. <i>International Journal of Sports Medicine</i> , 2018, 39, 1063-1067.	1.7	12
38	Hip Range of Motion and Strength and Energy Flow During Windmill Softball Pitching. <i>Journal of Athletic Training</i> , 2021, 56, 280-285.	1.8	12
39	DESCRIPTIVE PROFILE OF SHOULDER RANGE OF MOTION AND STRENGTH IN YOUTH ATHLETES PARTICIPATING IN OVERHEAD SPORTS. <i>International Journal of Sports Physical Therapy</i> , 2020, 15, 1090-1098.	1.3	12
40	PITCHING MECHANICS IN FEMALE YOUTH FASTPITCH SOFTBALL. <i>International Journal of Sports Physical Therapy</i> , 2018, 13, 493-500.	1.3	12
41	Hip and upper extremity kinematics in youth baseball pitchers. <i>Journal of Sports Sciences</i> , 2016, 34, 856-861.	2.0	11
42	Glenohumeral external rotation weakness partially accounts for increased humeral rotation torque in youth baseball pitchers. <i>Journal of Science and Medicine in Sport</i> , 2020, 23, 361-365.	1.3	11
43	Single-Leg Squat Compensations Are Associated With Softball Pitching Pathomechanics in Adolescent Softball Pitchers. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712199092.	1.7	11
44	Implementation of a Core Stability Program for Elementary School Children. <i>Athletic Training & Sports Health Care</i> , 2010, 2, 261-266.	0.4	11
45	The Association of Upper-Body Kinematics and Earned Run Average of National Collegiate Athletic Association Division I Softball Pitchers. <i>Journal of Strength and Conditioning Research</i> , 2019, Publish Ahead of Print, .	2.1	10
46	The Influence of an Active Glove Arm in Softball Pitching: A Biomechanical Evaluation. <i>International Journal of Sports Medicine</i> , 2019, 40, 200-208.	1.7	10
47	COMPARISON OF SCAPULAR MUSCLE ACTIVATIONS DURING THREE OVERHEAD THROWING EXERCISES. <i>International Journal of Sports Physical Therapy</i> , 2016, 11, 108-14.	1.3	10
48	Effects of Game Performance on Softball Pitchers and Catchers. <i>Journal of Strength and Conditioning Research</i> , 2019, 33, 466-473.	2.1	9
49	Glenohumeral and Hip Range of Motion in Youth Softball Athletes. <i>International Journal of Sports Medicine</i> , 2020, 41, 59-64.	1.7	9
50	Energy generation, absorption, and transfer at the shoulder and elbow in youth baseball pitchers. <i>Sports Biomechanics</i> , 2021, , 1-16.	1.6	9
51	Effects of Pitching a Simulated Game on Upper Extremity Kinematics in Youth Baseball Pitchers. <i>International Journal of Sports and Exercise Medicine</i> , 2015, 1, .	0.0	8
52	Effects of Hip Abduction Fatigue on Trunk and Shoulder Kinematics During Throwing and Passive Hip Rotational Range of Motion. <i>Journal of Sport Rehabilitation</i> , 2019, 28, 304-310.	1.0	6
53	Lumbopelvic-Hip Complex and Scapular Stabilizing Muscle Activations During Full-Body Exercises With and Without Resistance Bands. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 2840-2848.	2.1	6
54	Biceps Tendon Changes and Pitching Mechanics in Youth Softball Pitchers. <i>International Journal of Sports Medicine</i> , 2021, 42, 277-282.	1.7	6

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55	Kinematic Differences Exist Between the Fastball, Changeup, Curveball, and Dropball Pitch Types in Collegiate Softball Pitchers. <i>American Journal of Sports Medicine</i> , 2021, 49, 1065-1072.	4.2	6
56	Predicting Shoulder Force to Prevent Injury. <i>Medicine and Science in Sports and Exercise</i> , 2021, Publish Ahead of Print, .	0.4	6
57	Biomechanics Related to Increased Softball Pitcher Shoulder Stress: Implications for Injury Prevention. <i>American Journal of Sports Medicine</i> , 2022, 50, 216-223.	4.2	6
58	Influence of a Pre-throwing Protocol on Range of Motion and Strength in Baseball Athletes. <i>International Journal of Sports Medicine</i> , 2021, 42, 183-190.	1.7	5
59	Increased Upper Arm Length and Loading Rate Identified as Potential Risk Factors for Injury in Youth Baseball Pitchers. <i>American Journal of Sports Medicine</i> , 2021, 49, 3088-3093.	4.2	5
60	TRUNK LEAN DURING A SINGLE-LEG SQUAT IS ASSOCIATED WITH TRUNK LEAN DURING PITCHING. <i>International Journal of Sports Physical Therapy</i> , 2018, 13, 58-65.	1.3	5
61	The Windmill Softball Pitch: Optimal Mechanics and Pathomechanics of Injury. <i>Athletic Therapy Today</i> , 2010, 15, 28-31.	0.2	4
62	The Windmill Softball Pitch, Part 2: Injury Prevention. <i>International Journal of Athletic Therapy and Training</i> , 2011, 16, 27-31.	0.2	4
63	Reliability of an electromagnetic tracking system in describing pitching mechanics. <i>Sports Technology</i> , 2015, 8, 112-117.	0.4	4
64	The Effects of Body Mass Index on Softball Pitchers' Hip and Shoulder Range of Motion. <i>Sports Medicine International Open</i> , 2021, 05, E8-E13.	1.1	4
65	The effects of aerobic fatigue on jump shot kinematics in team handball players. <i>Journal of Biomedical Engineering and Informatics</i> , 2015, 2, 65.	0.2	3
66	Biomechanical Comparison of Three Perceived Effort Set Shots in Team Handball Players. <i>Journal of Strength and Conditioning Research</i> , 2017, 31, 80-87.	2.1	3
67	Differences in Segmental Speeds as a Function of Maturation in Youth Baseball Pitchers. <i>International Journal of Sports Medicine</i> , 2018, 39, 462-467.	1.7	3
68	Relationship of pelvis and torso angular jerk to hand velocity in female softball hitting. <i>Journal of Sports Sciences</i> , 2020, 38, 46-52.	2.0	3
69	Comparison of Pelvis and Trunk Kinematics Between Youth and Collegiate Windmill Softball Pitchers. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110218.	1.7	3
70	Association Between Passive Hip Range of Motion and Pitching Kinematics in High School Baseball Pitchers. <i>International Journal of Sports Physical Therapy</i> , 2021, 16, 1323-1329.	1.3	3
71	Lower Extremity Pain and Pitching Kinematics and Kinetics in Collegiate Softball Pitchers. <i>International Journal of Sports Medicine</i> , 2021, 42, 544-549.	1.7	3
72	Relationship Between Humeral Energy Flow During the Baseball Pitch and Glenohumeral Stability. <i>International Journal of Sports Medicine</i> , 2021, 42, 760-765.	1.7	3

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73	Quantitative analysis of the kinematics of the overhead lacrosse shot in youth. <i>International Biomechanics</i> , 2015, 2, 29-35.	1.0	2
74	Upper Extremity Muscle Activation during Bodyblade Exercises Following Six Weeks of Intervention Focusing on the Lumbopelvic-Hip Complex. <i>Sports</i> , 2015, 3, 188-201.	1.7	2
75	Sport Specialization and Single-Leggedâ€“Squat Performance Among Youth Baseball and Softball Athletes. <i>Journal of Athletic Training</i> , 2019, 54, 1067-1073.	1.8	2
76	Preliminary Evaluation of Dynamic Knee Valgus and Serum Relaxin Concentrations After ACL Reconstruction. <i>JBJS Open Access</i> , 2020, 5, e0060.	1.5	2
77	Single-Leg Squat Performance and Reported Pain within Youth Softball Players. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1648.	2.5	2
78	The influence of a simulated game on muscular strength in female high-school and collegiate softball pitchers. <i>Sports Biomechanics</i> , 2021, , 1-9.	1.6	2
79	Decreased Shoulder and Elbow Joint Loads During the Changeup Compared With the Fastball and Curveball in NCAA Division I Collegiate Softball Pitchers. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110266.	1.7	2
80	Knee Kinetics in Baseball Hitting and Return to Play after ACL Reconstruction. <i>International Journal of Sports Medicine</i> , 2021, 42, 847-852.	1.7	2
81	Muscle activation of the torso during the modified razor curl hamstring exercise. <i>International Journal of Sports Physical Therapy</i> , 2012, 7, 49-57.	1.3	2
82	BIOMECHANICAL INFLUENCES OF A POSTURAL COMPRESSION GARMENT ON SCAPULAR POSITIONING. <i>International Journal of Sports Physical Therapy</i> , 2018, 13, 700-706.	1.3	2
83	Preliminary Analysis of Closed Kinetic Chain Upper Extremity Stability Test Differences Between Healthy and Previously Injured/In-Pain Baseball Pitchers. <i>Sports Health</i> , 2023, 15, 290-294.	2.7	2
84	Athlete body composition influences movement during sporting tasks: an analysis of softball pitchersâ€™ joint angular velocities. <i>Sports Biomechanics</i> , 2022, , 1-14.	1.6	2
85	Altered Cervical Spine Position Results in Decreased Shoulder Rotation Strength. <i>Clinical Orthopaedics and Related Research</i> , 2022, 480, 1719-1727.	1.5	2
86	Residual Effects of Glenohumeral Range of Motion, Strength, and Humeral Retroversion on Prior Overhead Athletes After Cessation of Sport. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 232596712210919.	1.7	2
87	Apples to Oranges: Inconsistencies in Defining and Classifying Youth Sport Populations. <i>Clinical Journal of Sport Medicine</i> , 2023, 33, 1-4.	1.8	2
88	The Relationship between Serum Relaxin Concentrations and Knee Valgus. <i>International Journal of Sports Medicine</i> , 2020, 41, 182-188.	1.7	1
89	The Effects of Load Magnitude and Carry Position on Lumbopelvic-Hip Complex and Scapular Stabilizer Muscle Activation During Unilateral Dumbbell Carries. <i>Journal of Strength and Conditioning Research</i> , 2021, 35, S114-S119.	2.1	1
90	Differences in Lower Extremity Kinematics Between Collegiate and Youth Softball Pitchers. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712110520.	1.7	1

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91	Drive-Leg Kinematics During the Windup and Pushoff Is Associated With Pitching Kinetics at Later Phases of the Pitch. <i>American Journal of Sports Medicine</i> , 2022, , 036354652210774.	4.2	1
92	An Investigation of Bilateral Symmetry in Softball Pitchers According to Body Composition. <i>Frontiers in Sports and Active Living</i> , 0, 4, .	1.8	1
93	Hamstring and Gluteal Muscle Activation During the Assessment of Dynamic Movements. <i>International Journal of Athletic Therapy and Training</i> , 2016, 21, 30-33.	0.2	0
94	Tuck Jump Assessment as an Indicator for Upper Extremity Injury. <i>Sports Medicine International Open</i> , 2018, 02, E113-E116.	1.1	0
95	Flexibility, Position, and Strength of the Shoulder Complex in Pediatric and Adult Amateur Tennis Athletes. <i>Journal of Sport Rehabilitation</i> , 2022, 31, 1-9.	1.0	0
96	Characteristics of Injury in Collegiate Rodeo. <i>Clinical Journal of Sport Medicine</i> , 2021, Publish Ahead of Print, .	1.8	0
97	Drive leg ground reaction forces and rate of force development over consecutive windmill softball pitches. <i>Journal of Sports Medicine and Physical Fitness</i> , 2021, , .	0.7	0
98	Segment power analysis of collegiate softball hitting. <i>Sports Biomechanics</i> , 2021, , 1-14.	1.6	0