

# Carlo Luca Romano

## List of Publications by Year in descending order

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84  
papers

3,154  
citations

126907

33  
h-index

168389

53  
g-index

87  
all docs

87  
docs citations

87  
times ranked

3716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial coating of implants in orthopaedics and trauma: a classification proposal in an evolving panorama. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 157.	2.3	221
2	Masquelet technique: myth or reality? A systematic review and meta-analysis. <i>Injury</i> , 2016, 47, S68-S76.	1.7	190
3	Low-Intensity Pulsed Ultrasound for the Treatment of Bone Delayed Union or Nonunion: A Review. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 529-536.	1.5	130
4	Does Implant Coating With Antibacterial-Loaded Hydrogel Reduce Bacterial Colonization and Biofilm Formation in Vitro?. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 3311-3323.	1.5	118
5	Celecoxib versus indomethacin in the prevention of heterotopic ossification after total hip arthroplasty. <i>Journal of Arthroplasty</i> , 2004, 19, 14-18.	3.1	111
6	Pregabalin, celecoxib, and their combination for treatment of chronic low-back pain. <i>Journal of Orthopaedics and Traumatology</i> , 2009, 10, 185-191.	2.3	90
7	Bioactive glass BAG-S53P4 for the adjunctive treatment of chronic osteomyelitis of the long bones: an in vitro and prospective clinical study. <i>BMC Infectious Diseases</i> , 2013, 13, 584.	2.9	85
8	Value of Debridement and Irrigation for the Treatment of Peri-Prosthetic Infections. A Systematic Review. <i>HIP International</i> , 2012, 22, 19-24.	1.7	84
9	Fast-resorbable antibiotic-loaded hydrogel coating to reduce post-surgical infection after internal osteosynthesis: a multicenter randomized controlled trial. <i>Journal of Orthopaedics and Traumatology</i> , 2017, 18, 159-169.	2.3	83
10	Bone and joint infections in adults: a comprehensive classification proposal. <i>European Orthopaedics and Traumatology</i> , 2011, 1, 207-217.	0.1	78
11	What treatment for periprosthetic shoulder infection? Results from a multicentre retrospective series. <i>International Orthopaedics</i> , 2012, 36, 1011-1017.	1.9	78
12	Use of dithiothreitol to improve the diagnosis of prosthetic joint infections. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1694-1699.	2.3	69
13	Does an Antibiotic-Loaded Hydrogel Coating Reduce Early Post-Surgical Infection After Joint Arthroplasty?. <i>Journal of Bone and Joint Infection</i> , 2016, 1, 34-41.	1.5	68
14	Epidemiology and Antibiotic Resistance of Late Prosthetic Knee and Hip Infections. <i>Journal of Arthroplasty</i> , 2017, 32, 2496-2500.	3.1	66
15	<i>In vitro</i> antibiofilm activity of bioactive glass S53P4. <i>Future Microbiology</i> , 2014, 9, 593-601.	2.0	64
16	Two-stage revision surgery with preformed spacers and cementless implants for septic hip arthritis: a prospective, non-randomized cohort study. <i>BMC Infectious Diseases</i> , 2011, 11, 129.	2.9	61
17	Plasma Components and Platelet Activation Are Essential for the Antimicrobial Properties of Autologous Platelet-Rich Plasma: An In Vitro Study. <i>PLoS ONE</i> , 2014, 9, e107813.	2.5	61
18	Photodynamic antibacterial and antibiofilm activity of RLP068/Cl against <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> forming biofilms on prosthetic material. <i>International Journal of Antimicrobial Agents</i> , 2014, 44, 47-55.	2.5	60

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19	Antibacterial Bioactive Glass, S53P4, for Chronic Bone Infections – A Multinational Study. <i>Advances in Experimental Medicine and Biology</i> , 2016, 971, 81-92.	1.6	60
20	Efficacy of antibacterial-loaded coating in an in vivo model of acutely highly contaminated implant. <i>International Orthopaedics</i> , 2014, 38, 1505-1512.	1.9	59
21	Antibiofilm agents and implant-related infections in orthopaedics: where are we?. <i>Journal of Chemotherapy</i> , 2013, 25, 67-80.	1.5	58
22	Septic versus aseptic hip revision: how different?. <i>Journal of Orthopaedics and Traumatology</i> , 2010, 11, 167-174.	2.3	56
23	Antimicrobial activity and resistance selection of different bioglass S53P4 formulations against multidrug resistant strains. <i>Future Microbiology</i> , 2015, 10, 1293-1299.	2.0	56
24	Preformed Antibiotic-Loaded Cement Spacers for Two-Stage Revision of Infected Total Hip Arthroplasty. Long-Term Results. <i>HIP International</i> , 2012, 22, 46-53.	1.7	51
25	Oral – Gut Microbiota and Arthritis: Is There an Evidence-Based Axis?. <i>Journal of Clinical Medicine</i> , 2019, 8, 1753.	2.4	51
26	Does Dithiothreitol Improve Bacterial Detection from Infected Prostheses? A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 2915-2925.	1.5	47
27	Modeling <i>Staphylococcus epidermidis</i> -Induced Non-Unions: Subclinical and Clinical Evidence in Rats. <i>PLoS ONE</i> , 2016, 11, e0147447.	2.5	42
28	Long-Stem versus Short-Stem Preformed Antibiotic-Loaded Cement Spacers for Two-Stage Revision of Infected Total Hip Arthroplasty. <i>HIP International</i> , 2010, 20, 26-33.	1.7	41
29	Activity of N-acetyl-L-cysteine against Biofilm of <i>Staphylococcus Aureus</i> and <i>Pseudomonas Aeruginosa</i> on Orthopedic Prosthetic Materials. <i>International Journal of Artificial Organs</i> , 2013, 36, 39-46.	1.4	39
30	Treatment With Dithiothreitol Improves Bacterial Recovery From Tissue Samples in Osteoarticular and Joint Infections. <i>Journal of Arthroplasty</i> , 2016, 31, 2867-2870.	3.1	39
31	Diabetic Mouse Model of Orthopaedic Implant-Related <i>Staphylococcus Aureus</i> Infection. <i>PLoS ONE</i> , 2013, 8, e67628.	2.5	35
32	The World Association against Infection in Orthopaedics and Trauma (WAIOT) procedures for Microbiological Sampling and Processing for Periprosthetic Joint Infections (PJIs) and other Implant-Related Infections. <i>Journal of Clinical Medicine</i> , 2019, 8, 933.	2.4	35
33	Healing of surgical site after total hip and knee replacements show similar telethermographic patterns. <i>Journal of Orthopaedics and Traumatology</i> , 2011, 12, 81-86.	2.3	34
34	Aetiology and antibiotic resistance patterns of urinary tract infections in the elderly: a 6-month study. <i>Journal of Medical Microbiology</i> , 2013, 62, 859-863.	1.8	32
35	The W.A.I.O.T. Definition of High-Grade and Low-Grade Peri-Prosthetic Joint Infection. <i>Journal of Clinical Medicine</i> , 2019, 8, 650.	2.4	32
36	Antibiofilm agents against MDR bacterial strains: is bioactive glass BAG-S53P4 also effective?. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 123-127.	3.0	31

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37	Predicting lower limb periprosthetic joint infections: A review of risk factors and their classification. <i>World Journal of Orthopedics</i> , 2017, 8, 400.	1.8	29
38	Antineuropathic and Antinociceptive Drugs Combination in Patients with Chronic Low Back Pain: A Systematic Review. <i>Pain Research and Treatment</i> , 2012, 2012, 1-8.	1.7	28
39	Alpha defensin, leukocyte esterase, C-reactive protein, and leukocyte count in synovial fluid for pre-operative diagnosis of periprosthetic infection. <i>International Journal of Immunopathology and Pharmacology</i> , 2018, 32, 205873841880607.	2.1	27
40	The Concept of Biofilm-Related Implant Malfunction and "Low-Grade Infection". <i>Advances in Experimental Medicine and Biology</i> , 2016, 971, 1-13.	1.6	25
41	Managing large bone defects in children: a systematic review of the "induced membrane technique". <i>Journal of Pediatric Orthopaedics Part B</i> , 2018, 27, 443-455.	0.6	25
42	Vitamin E Phosphate Coating Stimulates Bone Deposition in Implant-related Infections in a Rat Model. <i>Clinical Orthopaedics and Related Research</i> , 2018, 476, 1324-1338.	1.5	25
43	Economic Evaluation of Antibacterial Coatings on Healthcare Costs in First Year Following Total Joint Arthroplasty. <i>Journal of Arthroplasty</i> , 2018, 33, 1656-1662.	3.1	24
44	One-stage exchange with antibacterial hydrogel coated implants provides similar results to two-stage revision, without the coating, for the treatment of peri-prosthetic infection. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 3362-3367.	4.2	24
45	How to Study Biofilms after Microbial Colonization of Materials Used in Orthopaedic Implants. <i>International Journal of Molecular Sciences</i> , 2016, 17, 293.	4.1	23
46	In vitro comparison between $\alpha$ -tocopheryl acetate and $\alpha$ -tocopheryl phosphate against bacteria responsible of prosthetic and joint infections. <i>PLoS ONE</i> , 2017, 12, e0182323.	2.5	23
47	Diagnosis of Osteoarticular Tuberculosis: Perceptions, Protocols, Practices, and Priorities in the Endemic and Non-Endemic Areas of the World – A WAIOT View. <i>Microorganisms</i> , 2020, 8, 1312.	3.6	21
48	Adherence to routine use of pharmacological prophylaxis of heterotopic ossification after total hip arthroplasty: results from an Italian multicenter, prospective, observational survey. <i>Journal of Orthopaedics and Traumatology</i> , 2012, 13, 63-67.	2.3	19
49	Value of digital telethermography for the diagnosis of septic knee prosthesis: a prospective cohort study. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 7.	1.9	19
50	Cementless modular intramedullary nail without bone-on-bone fusion as a salvage procedure in chronically infected total knee prosthesis: long-term results. <i>International Orthopaedics</i> , 2014, 38, 413-418.	1.9	19
51	Cost-benefit analysis of antibiofilm microbiological techniques for peri-prosthetic joint infection diagnosis. <i>BMC Infectious Diseases</i> , 2018, 18, 154.	2.9	17
52	Mapping of Microbiological Procedures by the Members of the International Society of Orthopaedic Centers (ISOC) for Diagnosis of Periprosthetic Infections. <i>Journal of Clinical Microbiology</i> , 2016, 54, 1402-1403.	3.9	16
53	Antibiotic sensitivities of coagulase-negative staphylococci and <i>Staphylococcus aureus</i> in hip and knee periprosthetic joint infections: does this differ if patients meet the International Consensus Meeting Criteria?. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 539-546.	2.7	15
54	May osteoarticular infections be influenced by vitamin D status? An observational study on selected patients. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 183.	1.9	14

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55	Analgesic Drugs Combinations in the Treatment of Different Types of Pain. <i>Pain Research and Treatment</i> , 2012, 2012, 1-2.	1.7	13
56	Role and Antimicrobial Resistance of Staphylococci Involved in Prosthetic Joint Infections. <i>International Journal of Artificial Organs</i> , 2014, 37, 414-421.	1.4	13
57	A Case of a Late and Atypical Knee Prosthetic Infection by No-Biofilm Producer <i>Pasteurella multocida</i> Strain Identified by Pyrosequencing. <i>Polish Journal of Microbiology</i> , 2013, 62, 435-438.	1.7	13
58	Combined Diagnostic Tool for joint prosthesis infections. <i>Infezioni in Medicina</i> , 2009, 17, 141-50.	1.1	13
59	The W.A.I.O.T. Definition of Peri-Prosthetic Joint Infection: A Multi-center, Retrospective Validation Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 1965.	2.4	12
60	Successful staged hip replacement in septic hip osteoarthritis in osteopetrosis: a case report. <i>BMC Musculoskeletal Disorders</i> , 2012, 13, 50.	1.9	11
61	Loud and silent epidemics in the third millennium: tuning-up the volume. <i>International Orthopaedics</i> , 2020, 44, 1019-1022.	1.9	11
62	Pin-Pricks and Pins??? Tricks: A New Method to Reduce Pin-Prick Pain of Intramuscular and Subcutaneous Injections. <i>Anesthesia and Analgesia</i> , 2004, 99, 1873.	2.2	10
63	Systemic and Local Administration of Antimicrobial and Cell Therapies to Prevent Methicillin-Resistant <i>Staphylococcus epidermidis</i> -Induced Femoral Nonunions in a Rat Model. <i>Mediators of Inflammation</i> , 2016, 2016, 1-12.	3.0	10
64	Prosthetic joints: shining lights on challenging blind spots. <i>International Journal of Antimicrobial Agents</i> , 2017, 49, 153-161.	2.5	9
65	BAG-S53P4 as bone graft extender and antimicrobial activity against gentamicin- and vancomycin-resistant bacteria. <i>Future Microbiology</i> , 2018, 13, 525-533.	2.0	8
66	Does PGE1 Vasodilator Prevent Orthopaedic Implant-Related Infection in Diabetes? Preliminary Results in a Mouse Model. <i>PLoS ONE</i> , 2014, 9, e94758.	2.5	7
67	Are Modic type 2 disc changes associated with low-grade infections? A pilot study. <i>Journal of Neurosurgical Sciences</i> , 2020, 64, 243-246.	0.6	7
68	Does a thrombin-based topical haemostatic agent reduce blood loss and transfusion requirements after total knee revision surgery? A randomized, controlled trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 3337-3342.	4.2	6
69	Antibacterial finishing reduces hospital textiles contamination. An experimental study. <i>European Orthopaedics and Traumatology</i> , 2012, 3, 177-182.	0.1	5
70	Draft Genome Sequence of <i>Staphylococcus epidermidis</i> Clinical Strain GOI1153754-03-14 Isolated from an Infected Knee Prosthesis. <i>Genome Announcements</i> , 2017, 5, .	0.8	5
71	“Combined Diagnostic Tool” Application to a Retrospective Series of Patients Undergoing Total Joint Revision Surgery. <i>Journal of Bone and Joint Infection</i> , 2017, 2, 107-113.	1.5	5
72	Megaprotheses for the revision of infected hip arthroplasties with severe bone loss. <i>BMC Surgery</i> , 2022, 22, 68.	1.3	5

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73	Is Propionibacterium acnes related to disc degeneration in adults? A systematic review. Journal of Neurosurgical Sciences, 2019, 63, 216-223.	0.6	4
74	Viral Bone Infection: A Neglected Disease?. Microorganisms, 2020, 8, 797.	3.6	3
75	Does knee revision after an articulated spacer implant provide normal gait restoration?. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 267-272.	4.2	2
76	ICS classification system of infected osteosynthesis: Long-term results. Injury, 2018, 49, 564-569.	1.7	2
77	Antibiofilm Strategies in Orthopedics: Where Are We?. , 2015, , 269-286.		2
78	Metal Hypersensitivity or Missed Periprosthetic Joint Infection? A Critical Review. Orthopedics, 2022, , 1-6.	1.1	2
79	Low-Intensity Pulsed Ultrasound in the Treatment of Nonunions and Fresh Fractures: A Case Series. Trauma Care, 2022, 2, 174-184.	0.9	2
80	Commentary: Dithiothreitol (DTT), When Used as Biofilm Detaching Method to Diagnose Implant-Associated Infections, Does Not Affect Microorganisms' Viability, According to the Current Literature. Frontiers in Microbiology, 2021, 12, 814945.	3.5	1
81	Foreword. HIP International, 2012, 22, S1-S1.	1.7	0
82	Algorithm to Diagnose Delayed and Late PJI: Role of Joint Aspiration. Advances in Experimental Medicine and Biology, 2016, 971, 101-111.	1.6	0
83	Paradigm Change in Antibacterial Coatings: Efficacy of Short-Term Local Prophylaxis. , 2016, , 333-349.		0
84	Protein-Energy Malnutrition as a Predictor of Early Recurrent Revisions After Debridement Surgery in Patients With Difficult-to-Treat Periprosthetic Infection. Travmatologiya i Ortopediya Rossii, 2022, 28, 39-45.	0.5	0