

# Martin Rottman

## List of Publications by Year in descending order

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74  
papers

4,019  
citations

172457

29  
h-index

123424

61  
g-index

81  
all docs

81  
docs citations

81  
times ranked

5975  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial activity of mucosal-associated invariant T cells. <i>Nature Immunology</i> , 2010, 11, 701-708.	14.5	828
2	Non Mycobacterial Virulence Genes in the Genome of the Emerging Pathogen <i>Mycobacterium abscessus</i> . <i>PLoS ONE</i> , 2009, 4, e5660.	2.5	309
3	Multicenter Study of Prevalence of Nontuberculous Mycobacteria in Patients with Cystic Fibrosis in France. <i>Journal of Clinical Microbiology</i> , 2009, 47, 4124-4128.	3.9	267
4	An extracorporeal blood-cleansing device for sepsis therapy. <i>Nature Medicine</i> , 2014, 20, 1211-1216.	30.7	254
5	Hypervirulence of a Rough Variant of the <i>Mycobacterium abscessus</i> Type Strain. <i>Infection and Immunity</i> , 2007, 75, 1055-1058.	2.2	164
6	The distinct fate of smooth and rough <i>Mycobacterium abscessus</i> variants inside macrophages. <i>Open Biology</i> , 2016, 6, 160185.	3.6	132
7	Eculizumab as an emergency treatment for adult patients with severe COVID-19 in the intensive care unit: A proof-of-concept study. <i>EClinicalMedicine</i> , 2020, 28, 100590.	7.1	129
8	Acute Respiratory Failure Involving an R Variant of <i>Mycobacterium abscessus</i> . <i>Journal of Clinical Microbiology</i> , 2009, 47, 271-274.	3.9	125
9	Ceftazidime-Avibactam and Aztreonam, an Interesting Strategy To Overcome $\beta$ -Lactam Resistance Conferred by Metallo- $\beta$ -Lactamases in Enterobacteriaceae and <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	124
10	Identification of clinical coagulase-negative staphylococci, isolated in microbiology laboratories, by matrix-assisted laser desorption/ionization-time of flight mass spectrometry and two automated systems. <i>Clinical Microbiology and Infection</i> , 2010, 16, 998-1004.	6.0	107
11	Spondylodiscitis due to <i>Propionibacterium acnes</i> : report of twenty-nine cases and a review of the literature. <i>Clinical Microbiology and Infection</i> , 2010, 16, 353-358.	6.0	98
12	Importance of T Cells, Gamma Interferon, and Tumor Necrosis Factor in Immune Control of the Rapid Grower <i>Mycobacterium abscessus</i> in C57BL/6 Mice. <i>Infection and Immunity</i> , 2007, 75, 5898-5907.	2.2	89
13	Robustness of two MALDI-TOF mass spectrometry systems for bacterial identification. <i>Journal of Microbiological Methods</i> , 2012, 89, 133-136.	1.6	89
14	Diagnosis of prosthetic joint infection by beadmill processing of a periprosthetic specimen. <i>Clinical Microbiology and Infection</i> , 2011, 17, 447-450.	6.0	81
15	Fluorescein Derivatives as Fluorescent Probes for pH Monitoring along Recent Biological Applications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9217.	4.1	80
16	Specific Distribution within the <i>Enterobacter cloacae</i> Complex of Strains Isolated from Infected Orthopedic Implants. <i>Journal of Clinical Microbiology</i> , 2009, 47, 2489-2495.	3.9	67
17	IFN- $\gamma$ Mediates the Rejection of Haematopoietic Stem Cells in IFN- $\gamma$ R1-Deficient Hosts. <i>PLoS Medicine</i> , 2008, 5, e26.	8.4	67
18	Overexpression of proinflammatory TLR-2-signalling lipoproteins in hypervirulent mycobacterial variants. <i>Cellular Microbiology</i> , 2011, 13, 692-704.	2.1	66

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19	Improved treatment of systemic blood infections using antibiotics with extracorporeal opsonin hemoadsorption. <i>Biomaterials</i> , 2015, 67, 382-392.	11.4	65
20	Use of Genotypic Identification by <i>sodA</i> Sequencing in a Prospective Study To Examine the Distribution of Coagulase-Negative <i>Staphylococcus</i> Species among Strains Recovered during Septic Orthopedic Surgery and Evaluate Their Significance. <i>Journal of Clinical Microbiology</i> , 2005, 43, 2952-2954.	3.9	57
21	<i>Mycobacterium abscessus</i> Phospholipase C Expression Is Induced during Coculture within <i>Amoeba</i> and Enhances <i>M. abscessus</i> Virulence in Mice. <i>Infection and Immunity</i> , 2015, 83, 780-791.	2.2	54
22	Decreased Susceptibility to Teicoplanin and Vancomycin in Coagulase-Negative <i>Staphylococci</i> Isolated from Orthopedic-Device-Associated Infections. <i>Journal of Clinical Microbiology</i> , 2010, 48, 1428-1431.	3.9	47
23	Emergence of Plasmid-Mediated Fosfomycin-Resistance Genes among <i>Escherichia coli</i> Isolates, France. <i>Emerging Infectious Diseases</i> , 2017, 23, 1564-1567.	4.3	42
24	Chromosomal <i>ampC</i> genes in <i>Enterobacter</i> species other than <i>Enterobacter cloacae</i> , and ancestral association of the ACT-1 plasmid-encoded cephalosporinase to <i>Enterobacter asburiae</i> . <i>FEMS Microbiology Letters</i> , 2002, 210, 87-92.	1.8	41
25	A Broad-Spectrum Infection Diagnostic that Detects Pathogen-Associated Molecular Patterns (PAMPs) in Whole Blood. <i>EBioMedicine</i> , 2016, 9, 217-227.	6.1	40
26	Bacterial phospholipases C as vaccine candidate antigens against cystic fibrosis respiratory pathogens: The <i>Mycobacterium abscessus</i> model. <i>Vaccine</i> , 2015, 33, 2118-2124.	3.8	38
27	Measurement of Immunoglobulin G against <i>Mycobacterial</i> Antigen A60 in Patients with Cystic Fibrosis and Lung Infection Due to <i>Mycobacterium abscessus</i> . <i>Clinical Infectious Diseases</i> , 2005, 40, 58-66.	5.8	33
28	Spread of a <i>Klebsiella pneumoniae</i> Strain Producing a Plasmid-Mediated ACC-1 AmpC $\beta$ -Lactamase in a Teaching Hospital Admitting Disabled Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 2095-2097.	3.2	30
29	Multiplex Antibody Detection for Noninvasive Genus-Level Diagnosis of Prosthetic Joint Infection. <i>Journal of Clinical Microbiology</i> , 2016, 54, 1065-1073.	3.9	30
30	Rapid Isolation of <i>Staphylococcus aureus</i> Pathogens from Infected Clinical Samples Using Magnetic Beads Coated with Fc-Mannose Binding Lectin. <i>PLoS ONE</i> , 2016, 11, e0156287.	2.5	30
31	Suppression of Surgeons' Bacterial Hand Flora during Surgical Procedures with a New Antimicrobial Surgical Glove. <i>Surgical Infections</i> , 2014, 15, 43-49.	1.4	29
32	Use of <i>sodA</i> sequencing for the identification of clinical isolates of coagulase-negative staphylococci. <i>Clinical Microbiology and Infection</i> , 2004, 10, 939-942.	6.0	28
33	Surging bloodstream infections and antimicrobial resistance during the first wave of COVID-19: a study in a large multihospital institution in the Paris region. <i>International Journal of Infectious Diseases</i> , 2022, 114, 90-96.	3.3	28
34	<i>Ruminococcus gnavus</i> Total Hip Arthroplasty Infection in a 62-Year-Old Man with Ulcerative Colitis. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1428-1430.	3.9	23
35	<i>Gardnerella vaginalis</i> Acute Hip Arthritis in a Renal Transplant Recipient. <i>Journal of Clinical Microbiology</i> , 2009, 47, 264-265.	3.9	21
36	Comparative Evaluation of Two PCR-Based Methods for Detection of Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA): Xpert MRSA Gen 3 and BD-Max MRSA XT. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1955-1958.	3.9	20

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37	Benefits of Polymerase Chain Reaction Combined With Culture for the Diagnosis of Bone and Joint Infections: A Prospective Test Performance Study. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz511.	0.9	18
38	Growth detection of <i>Cutibacterium acnes</i> from orthopaedic implant-associated infections in anaerobic bottles from BACTEC and BacT/ALERT blood culture systems and comparison with conventional culture media. <i>Anaerobe</i> , 2020, 61, 102133.	2.1	18
39	Management of established pressure ulcer infections in spinal cord injury patients. <i>MÃ©decine Et Maladies Infectieuses</i> , 2019, 49, 9-16.	5.0	17
40	Monomicrobial bone and joint infection due to <i>Corynebacterium striatum</i> : literature review and amoxicillin-rifampin combination as treatment perspective. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1269-1278.	2.9	16
41	Molecular Typing of Multiple Isolates Is Essential to Diagnose <i>Cutibacterium acnes</i> Orthopedic Device-related Infection. <i>Clinical Infectious Diseases</i> , 2019, 68, 1942-1945.	5.8	15
42	Population pharmacokinetics of lopinavir/ritonavir in Covid-19 patients. <i>European Journal of Clinical Pharmacology</i> , 2021, 77, 389-397.	1.9	15
43	Titanium-Tethered Vancomycin Prevents Resistance to Rifampicin in <i>Staphylococcus aureus</i> in vitro. <i>PLoS ONE</i> , 2012, 7, e52883.	2.5	14
44	Versatile and flexible microfluidic qPCR test for high-throughput SARS-CoV-2 and cellular response detection in nasopharyngeal swab samples. <i>PLoS ONE</i> , 2021, 16, e0243333.	2.5	14
45	Genetic Analysis of Glycopeptide-Resistant <i>Staphylococcus epidermidis</i> Strains from Bone and Joint Infections. <i>Journal of Clinical Microbiology</i> , 2013, 51, 1014-1019.	3.9	12
46	Risk factors for respiratory tract bacterial colonization in adults with neuromuscular or neurological disorders and chronic tracheostomy. <i>Respiratory Medicine</i> , 2019, 152, 32-36.	2.9	11
47	BUT-1: a new member in the chromosomal inducible class C $\beta$ -lactamases family from a clinical isolate of <i>Buttiauxella</i> sp.. <i>FEMS Microbiology Letters</i> , 2002, 213, 103-111.	1.8	10
48	Polymorphism of the Cell Wall-Anchoring Domain of the Autolysin-Adhesin AtlE and Its Relationship to Sequence Type, as Revealed by Multilocus Sequence Typing of Invasive and Commensal <i>Staphylococcus epidermidis</i> Strains. <i>Journal of Clinical Microbiology</i> , 2006, 44, 1839-1843.	3.9	10
49	Predictive factors for positive disco-vertebral biopsy culture in pyogenic vertebral osteomyelitis, and impact of fluoroscopic versus scanographic guidance. <i>BMC Infectious Diseases</i> , 2020, 20, 512.	2.9	10
50	Case series of carbapenemase-producing Enterobacteriaceae osteomyelitis: Feel it in your bones. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 23, 74-78.	2.2	8
51	A mobile DNA laboratory for forensic science adapted to coronavirus SARS-CoV-2 diagnosis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021, 40, 197-200.	2.9	8
52	Efficacy of cotrimoxazole (Sulfamethoxazole-Trimethoprim) as a salvage therapy for the treatment of bone and joint infections (BJIs). <i>PLoS ONE</i> , 2019, 14, e0224106.	2.5	7
53	Treatment of bone and joint infections by ceftazidime/avibactam and ceftolozane/tazobactam: a cohort study. <i>Journal of Global Antimicrobial Resistance</i> , 2021, 25, 282-286.	2.2	7
54	Partial AtlE Sequencing of <i>Staphylococcus epidermidis</i> Strains from Prosthetic Joint Infections. <i>Journal of Clinical Microbiology</i> , 2009, 47, 2321-2324.	3.9	6

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55	In-Host Adaptation of <i>Salmonella enterica</i> Serotype Dublin during Prosthetic Hip Joint Infection. <i>Emerging Infectious Diseases</i> , 2018, 24, 2360-2363.	4.3	6
56	Efficacy of cefoxitin for the treatment of urinary tract infection due to extended-spectrum-beta-lactamase-producing <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> isolates. <i>Therapeutic Advances in Infectious Disease</i> , 2019, 6, 204993611881105.	1.8	6
57	Plasma Biomarkers Screening by Multiplex ELISA Assay in Patients with Advanced Non-Small Cell Lung Cancer Treated with Immune Checkpoint Inhibitors. <i>Cancers</i> , 2021, 13, 97.	3.7	6
58	Modeling the omicron wave in France in early 2022: Balancing herd immunity with protecting the most vulnerable. <i>Journal of Travel Medicine</i> , 2022, , .	3.0	6
59	Clinical Resistance to Amoxicillin of a Gravidic Urinary Tract Infection Caused by <i>Neisseria mucosa</i> . <i>Journal of Infection</i> , 2001, 43, 160-161.	3.3	5
60	Control of an ACC-1-producing <i>Klebsiella pneumoniae</i> outbreak in a physical medicine and rehabilitation unit. <i>Journal of Hospital Infection</i> , 2006, 63, 34-38.	2.9	5
61	Multiplex Antibody Measurement for Post-treatment Follow-up of Staphylococcal Prosthetic Joint Infection: A Diagnostic Pilot Study. <i>Journal of Bone and Joint Infection</i> , 2019, 4, 227-233.	1.5	5
62	Monocyte distribution width as a biomarker of resistance to corticosteroids in patients with sepsis: the MOCORSEP observational study. <i>Intensive Care Medicine</i> , 2021, 47, 1161-1164.	8.2	5
63	Measurement of Serum Anti-staphylococcal Antibodies Increases Positive Predictive Value of Preoperative Aspiration for Hip Prosthetic Joint Infection. <i>Clinical Orthopaedics and Related Research</i> , 2020, 478, 2786-2797.	1.5	5
64	Case of femoral pseudarthrosis due to <i>Scedosporium apiospermum</i> in an immunocompetent patient with successful conservative treatment and review of literature. <i>Mycoses</i> , 2018, 61, 400-409.	4.0	4
65	Ceftolozane/tazobactam for febrile UTI due to multidrug-resistant <i>Pseudomonas aeruginosa</i> in a patient with neurogenic bladder. <i>Spinal Cord Series and Cases</i> , 2017, 3, 17019.	0.6	3
66	Diagnosis of <i>Actinobacillus actinomycetemcomitans</i> Infective Endocarditis after Steadily Negative Blood Cultures. <i>Journal of Infection</i> , 2002, 44, 208-210.	3.3	2
67	Native bone and joint infections caused by extended-spectrum $\beta$ -lactamase-producing Enterobacterales: experience of a reference centre in the Greater Paris area. <i>International Journal of Antimicrobial Agents</i> , 2022, 59, 106497.	2.5	2
68	Four-Hour Immunochromatographic Detection of Intestinal Carriage of Carbapenemase-Producing <i>Enterobacteriaceae</i> : a Validation Study. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	3.9	1
69	Randomized Cross Over Study Assessing the Efficacy of Non-invasive Stimulation of the Vagus Nerve in Patients With Axial Spondyloarthritis Resistant to Biotherapies: The ESNV-SPA Study Protocol. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 679775.	2.0	1
70	Chromosomal ampC genes in <i>Enterobacter</i> species other than <i>Enterobacter cloacae</i> , and ancestral association of the ACT-1 plasmid-encoded cephalosporinase to <i>Enterobacter asburiae</i> . <i>FEMS Microbiology Letters</i> , 2002, 210, 87-92.	1.8	1
71	<i>Cutibacterium acnes</i> clonal complexes display various growth rates in blood culture vials used for diagnosing orthopedic device-related infections. <i>Anaerobe</i> , 2021, 72, 102469.	2.1	1
72	Clinical Microbiology in the Year 2025: Serologic and Host-Oriented Diagnosis. <i>Journal of Clinical Microbiology</i> , 2003, 41, 2268-2268.	3.9	0

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73	Anti-bacterial Function of Mucosal Associated Invariant T Cells. <i>Clinical Immunology</i> , 2010, 135, S34-S35.	3.2	0
74	In-Host Adaptation of <i>Salmonella enterica</i> Serotype Dublin during Prosthetic Hip Joint Infection. <i>Emerging Infectious Diseases</i> , 2018, 24, 2360-2363.	4.3	0