Qing Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

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#	Article	IF	CITATIONS
1	A functional polymorphism in the $5\hat{a} \in \mathbb{C}^2$ UTR of GDF5 is associated with susceptibility to osteoarthritis. Nature Genetics, 2007, 39, 529-533.	21.4	435
2	Photo-Cross-Linked Scaffold with Kartogenin-Encapsulated Nanoparticles for Cartilage Regeneration. ACS Nano, 2016, 10, 1292-1299.	14.6	215
3	Largeâ€scale analysis of association between <i>GDF5</i> and <i>FRZB</i> variants and osteoarthritis of the hip, knee, and hand. Arthritis and Rheumatism, 2009, 60, 1710-1721.	6.7	181
4	METTL3-mediated m ⁶ A modification of ATG7 regulates autophagy-GATA4 axis to promote cellular senescence and osteoarthritis progression. Annals of the Rheumatic Diseases, 2022, 81, 85-97.	0.9	123
5	Advances of injectable hydrogel-based scaffolds for cartilage regeneration. International Journal of Energy Production and Management, 2019, 6, 129-140.	3.7	120
6	In situ repair of bone and cartilage defects using 3D scanning and 3D printing. Scientific Reports, 2017, 7, 9416.	3.3	116
7	Polymerâ€Supramolecular Polymer Doubleâ€Network Hydrogel. Advanced Functional Materials, 2016, 26, 9044-9052.	14.9	106
8	Application of robotic-assisted in situ 3D printing in cartilage regeneration with HAMA hydrogel: An in vivo study. Journal of Advanced Research, 2020, 23, 123-132.	9.5	96
9	Natural hydrogels for cartilage regeneration: Modification, preparationÂand application. Journal of Orthopaedic Translation, 2019, 17, 26-41.	3.9	94
10	Association of a single nucleotide polymorphism in growth differentiate factor 5 with congenital dysplasia of the hip: a case-control study. Arthritis Research and Therapy, 2008, 10, R126.	3.5	88
11	Guidelines for the diagnosis and treatment of osteoarthritis in China (2019 edition). Annals of Translational Medicine, 2020, 8, 1213-1213.	1.7	73
12	AMPK deficiency in chondrocytes accelerated the progression of instability-induced and ageing-associated osteoarthritis in adult mice. Scientific Reports, 2017, 7, 43245.	3.3	72
13	Evaluating the bio-application of biomacromolecule of lignin-carbohydrate complexes (LCC) from wheat straw in bone metabolism via ROS scavenging. International Journal of Biological Macromolecules, 2021, 176, 13-25.	7. 5	70
14	Full-thickness cartilage defects are repaired via a microfracture technique and intraarticular injection of the small-molecule compound kartogenin. Arthritis Research and Therapy, 2015, 17, 20.	3.5	64
15	Association of the D repeat polymorphism in the ASPNgene with developmental dysplasia of the hip: a case-control study in Han Chinese. Arthritis Research and Therapy, 2011, 13, R27.	3.5	60
16	Gold Nanoparticles-Loaded Polyvinylpyrrolidone/Ethylcellulose Coaxial Electrospun Nanofibers with Enhanced Osteogenic Capability for Bone Tissue Regeneration. Materials and Design, 2021, 212, 110240.	7.0	60
17	Early osteointegration evaluation of porous Ti6Al4V scaffolds designed based on triply periodic minimal surfaceÂmodels. Journal of Orthopaedic Translation, 2019, 19, 94-105.	3.9	57
18	The incidence and risk factors for allogenic blood transfusion in total knee and hip arthroplasty. Journal of Orthopaedic Surgery and Research, 2019, 14, 273.	2.3	54

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19	Strong dual-crosslinked hydrogels for ultrasound-triggered drug delivery. Nano Research, 2019, 12, 115-119.	10.4	54
20	Endoplasmic reticulum mediates mitochondrial transfer within the osteocyte dendritic network. Science Advances, 2019, 5, eaaw7215.	10.3	53
21	Self-Cascade Uricase/Catalase Mimics Alleviate Acute Gout. Nano Letters, 2022, 22, 508-516.	9.1	52
22	3D uniaxial mechanical stimulation induces tenogenic differentiation of tendonâ€derived stem cells through a PI3K/AKT signaling pathway. FASEB Journal, 2018, 32, 4804-4814.	0.5	50
23	Understanding the relationship between the structural properties of lignin and their biological activities. International Journal of Biological Macromolecules, 2021, 190, 291-300.	7.5	50
24	Serum levels of the bone turnover markers dickkopf-1, osteoprotegerin, and TNF- $\hat{l}\pm$ in knee osteoarthritis patients. Clinical Rheumatology, 2017, 36, 2351-2358.	2.2	49
25	Essential Role for Polycomb Group Protein Pcgf6 in Embryonic Stem Cell Maintenance and a Noncanonical Polycomb Repressive Complex 1 (PRC1) Integrity. Journal of Biological Chemistry, 2017, 292, 2773-2784.	3.4	47
26	Nanoenzyme engineered neutrophil-derived exosomes attenuate joint injury in advanced rheumatoid arthritis via regulating inflammatory environment. Bioactive Materials, 2022, 18, 1-14.	15.6	45
27	Biofabrication of a biomimetic supramolecular-polymer double network hydrogel for cartilage regeneration. Materials and Design, 2020, 189, 108492.	7.0	44
28	Polydopamine coating promotes early osteogenesis in 3D printing porous Ti6Al4V scaffolds. Annals of Translational Medicine, 2019, 7, 240-240.	1.7	42
29	Perioperative allogenic blood transfusion increases the incidence of postoperative deep vein thrombosis in total knee and hip arthroplasty. Journal of Orthopaedic Surgery and Research, 2019, 14, 235.	2.3	41
30	Polycomb group RING finger proteins 3/5 activate transcription via an interaction with the pluripotency factor Tex10 in embryonic stem cells. Journal of Biological Chemistry, 2017, 292, 21527-21537.	3.4	40
31	Robotic in situ 3D bio-printing technology for repairing large segmental bone defects. Journal of Advanced Research, 2021, 30, 75-84.	9.5	40
32	PEGylated gold nanoparticles promote osteogenic differentiation in in vitro and in vivo systems. Materials and Design, 2021, 197, 109231.	7.0	38
33	In vivo repair of full-thickness cartilage defect with human iPSC-derived mesenchymal progenitor cells in a rabbit model. Experimental and Therapeutic Medicine, 2017, 14, 239-245.	1.8	36
34	Genetic study on developmental dysplasia of the hip. European Journal of Clinical Investigation, 2012, 42, 1121-1125.	3.4	35
35	Three-dimensional finite-element analysis of aggravating medial meniscus tears on knee osteoarthritis. Journal of Orthopaedic Translation, 2020, 20, 47-55.	3.9	35
36	Bone targeting antioxidative nano-iron oxide for treating postmenopausal osteoporosis. Bioactive Materials, 2022, 14, 250-261.	15.6	35

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37	Determinants of stem cell lineage differentiation toward chondrogenesis versus adipogenesis. Cellular and Molecular Life Sciences, 2019, 76, 1653-1680.	5.4	34
38	A Common Variant Of Ubiquinol-Cytochrome c Reductase Complex Is Associated with DDH. PLoS ONE, 2015, 10, e0120212.	2.5	32
39	Development of a novel polysaccharide-based iron oxide nanoparticle to prevent iron accumulation-related osteoporosis by scavenging reactive oxygen species. International Journal of Biological Macromolecules, 2020, 165, 1634-1645.	7. 5	30
40	Combinatorial Control of Recruitment of a Variant PRC1.6 Complex in Embryonic Stem Cells. Cell Reports, 2018, 22, 3032-3043.	6.4	26
41	Estrogen prevents articular cartilage destruction in a mouse model of AMPK deficiency via ERK-mTOR pathway. Annals of Translational Medicine, 2019, 7, 336-336.	1.7	26
42	Metabolic Syndrome and Deep Vein Thrombosis After Total Knee and Hip Arthroplasty. Journal of Arthroplasty, 2016, 31, 1322-1325.	3.1	25
43	3D printing individualized heel cup for improving the self-reported pain of plantar fasciitis. Journal of Translational Medicine, 2018, 16, 167.	4.4	25
44	Design and biomechanical characteristics of porous meniscal implant structures using triply periodic minimal surfaces. Journal of Translational Medicine, 2019, 17, 89.	4.4	25
45	Load-induced regulation of tendon homeostasis by SPARC, a genetic predisposition factor for tendon and ligament injuries. Science Translational Medicine, $2021,13,.$	12.4	25
46	Polydopamine-Coated Poly(<scp>l</scp> -lactide) Nanofibers with Controlled Release of VEGF and BMP-2 as a Regenerative Periosteum. ACS Biomaterials Science and Engineering, 2021, 7, 4883-4897.	5.2	25
47	Reprogramming Mitochondrial Metabolism in Synovial Macrophages of Early Osteoarthritis by a Camouflaged Metaâ€Defensome. Advanced Materials, 2022, 34, .	21.0	25
48	Predicting the graft diameter of the peroneus longus tendon for anterior cruciate ligament reconstruction. Medicine (United States), 2018, 97, e12672.	1.0	24
49	The biomechanical changes of load distribution with longitudinal tears of meniscal horns on knee joint: a finite element analysis. Journal of Orthopaedic Surgery and Research, 2019, 14, 237.	2.3	23
50	A low dose cell therapy system for treating osteoarthritis: In vivo study and in vitro mechanistic investigations. Bioactive Materials, 2022, 7, 478-490.	15.6	23
51	Association of Single Nucleotide Polymorphisms in Estrogen Receptor Alpha Gene with Susceptibility to Knee Osteoarthritis: A Case-Control Study in a Chinese Han Population. BioMed Research International, 2014, 2014, 1-12.	1.9	21
52	An elegant nitroreductase responsive fluorescent probe for selective detection of pathogenic Listeria in vitro and in vivo. Talanta, 2019, 198, 472-479.	5.5	21
53	The gut microbiome as non-invasive biomarkers for identifying overweight people at risk for osteoarthritis. Microbial Pathogenesis, 2021, 157, 104976.	2.9	21
54	Association of a single nucleotide polymorphism in <i>HOXB9</i> with developmental dysplasia of the hip: A caseâ€control study. Journal of Orthopaedic Research, 2014, 32, 179-182.	2.3	20

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55	The incidence of venous thromboembolism following total knee arthroplasty. Blood Coagulation and Fibrinolysis, 2016, 27, 266-269.	1.0	20
56	The polycomb group protein PCGF6 mediates germline gene silencing by recruiting histone-modifying proteins to target gene promoters. Journal of Biological Chemistry, 2020, 295, 9712-9724.	3.4	20
57	Age-dependent variations of cancellous bone in response to ovariectomy in C57BL/6J mice. Experimental and Therapeutic Medicine, 2018, 15, 3623-3632.	1.8	18
58	Chronic Kidney Dysfunction Can Increase the Risk of Deep Vein Thrombosis after Total Hip and Knee Arthroplasty. BioMed Research International, 2017, 2017, 1-6.	1.9	17
59	Prevalence of patellofemoral pain and knee pain in the general population of Chinese young adults: a community-based questionnaire survey. BMC Musculoskeletal Disorders, 2018, 19, 165.	1.9	17
60	Serum levels of leptin, osteopontin, and sclerostin in patients with and without knee osteoarthritis. Clinical Rheumatology, 2021, 40, 287-294.	2.2	17
61	Performance of age-adjusted D-dimer values for predicting DVT before the knee and hip arthroplasty. Journal of Orthopaedic Surgery and Research, 2021, 16, 82.	2.3	17
62	The assessment of femoral shaft morphology in the sagittal plane in Chinese patients with osteoarthritisâ€"a radiographic analysis. Journal of Orthopaedic Surgery and Research, 2017, 12, 127.	2.3	15
63	New technique: practical procedure of robotic arm-assisted (MAKO) total hip arthroplasty. Annals of Translational Medicine, 2018, 6, 364-364.	1.7	15
64	Clickâ€Chemistryâ€Mediated Rapid Microbubble Capture for Acute Thrombus Ultrasound Molecular Imaging. ChemBioChem, 2017, 18, 1364-1368.	2.6	14
65	FTO variant is not associated with osteoarthritis in the Chinese Han population: replication study for a genome-wide association study identified risk loci. Journal of Orthopaedic Surgery and Research, 2018, 13, 65.	2.3	14
66	Detection of collagen by multi-wavelength photoacoustic analysis as a biomarker for bone health assessment. Photoacoustics, 2021, 24, 100296.	7.8	14
67	P-Selectin: An Unpredicted Factor for Deep Vein Thrombosis after Total Hip Arthroplasty. BioMed Research International, 2014, 2014, 1-6.	1.9	13
68	Incidence and Risk Factors for Post-Thrombotic Syndrome in Patients With Deep Vein Thrombosis Following Total Knee and Hip Arthroplasty. Journal of Arthroplasty, 2019, 34, 560-563.	3.1	13
69	A H ₂ S-Triggered Dual-Modal Second Near-Infrared/Photoacoustic Intelligent Nanoprobe for Highly Specific Imaging of Colorectal Cancer. Analytical Chemistry, 2021, 93, 13212-13218.	6.5	13
70	Early Pulmonary Complications following Total Knee Arthroplasty under General Anesthesia: A Prospective Cohort Study Using CT Scan. BioMed Research International, 2016, 2016, 1-5.	1.9	12
71	Fenofibrate decreases the bone quality by down regulating Runx2 in high-fat-diet induced Type 2 diabetes mellitus mouse model. Lipids in Health and Disease, 2017, 16, 201.	3.0	12
72	A sensitive and fast responsive fluorescent probe for imaging hypoxic tumors. Analyst, The, 2019, 144, 284-289.	3.5	12

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73	Entry-Prohibited Effect of kHz Pulsed Magnetic Field Upon Interaction Between SPIO Nanoparticles and Mesenchymal Stem Cells. IEEE Transactions on Biomedical Engineering, 2020, 67, 1152-1158.	4.2	12
74	The Impact of Intraoperative Hypothermia on Blood Loss and Allogenic Blood Transfusion in Total Knee and Hip Arthroplasty: A Retrospective Study. BioMed Research International, 2020, 2020, 1-6.	1.9	12
75	Citrate-Stabilized Gold Nanorods-Directed Osteogenic Differentiation of Multiple Cells. International Journal of Nanomedicine, 2021, Volume 16, 2789-2801.	6.7	12
76	Novel WISP3 mutations causing progressive pseudorheumatoid dysplasia in two Chinese families. Human Genome Variation, 2016, 3, 16041.	0.7	11
77	Perioperative predictors of prolonged length of hospital stay following total knee arthroplasty: a retrospective study from a single center in China. BMC Musculoskeletal Disorders, 2020, 21, 62.	1.9	11
78	Preoperative Evaluation of Soleal Vein Diameter by Ultrasound Is Beneficial for Prophylaxis of Deep Vein Thrombosis after Total Knee or Hip Arthroplasty. BioMed Research International, 2018, 2018, 1-8.	1.9	10
79	The effect of exogenous melatonin on reducing scoliotic curvature and improving bone quality in melatonin-deficient C57BL/6J mice. Scientific Reports, 2019, 9, 6202.	3.3	10
80	Recruitment of Brd3 and Brd4 to acetylated chromatin is essential for proinflammatory cytokine-induced matrix-degrading enzyme expression. Journal of Orthopaedic Surgery and Research, 2019, 14, 59.	2.3	10
81	Prevalence and Risk Factors of Preoperative Deep Vein Thrombosis in Patients with End-Stage Knee Osteoarthritis. Annals of Vascular Surgery, 2020, 64, 175-180.	0.9	10
82	A Replication Study for the Association of rs726252 in PAPPA2 with Developmental Dysplasia of the Hip in Chinese Han Population. BioMed Research International, 2014, 2014, 1-5.	1.9	9
83	Comparison of Venous Thromboembolism after Total Hip Arthroplasty between Ankylosing Spondylitis and Osteoarthritis. BioMed Research International, 2014, 2014, 1-5.	1.9	9
84	Genetic effects of rs3740199 polymorphism in ADAM12 gene on knee osteoarthritis: a meta-analysis. Journal of Orthopaedic Surgery and Research, 2017, 12, 94.	2.3	9
85	Homoharringtonine inhibits fibroblasts proliferation, extracellular matrix production and reduces surgery-induced knee arthrofibrosis via PI3K/AKT/mTOR pathway-mediated apoptosis. Journal of Orthopaedic Surgery and Research, 2021, 16, 9.	2.3	9
86	HSC-specific knockdown of GGPPS alleviated CCl-induced chronic liver fibrosis through mediating RhoA/Rock pathway. American Journal of Translational Research (discontinued), 2019, 11, 2382-2392.	0.0	9
87	Lack of evidence for association between DVWA gene polymorphisms and developmental dysplasia of the hip in Chinese Han population. Rheumatology International, 2011, 31, 883-887.	3.0	8
88	Higher Levels of Serum Triglycerides Were Associated With Postoperative Deep Vein Thrombosis After Total Hip Arthroplasty in Patients With Nontraumatic Osteonecrosis of the Femoral Head. International Journal of Lower Extremity Wounds, 2016, 15, 41-44.	1.1	8
89	Arthroscopic Management for the Unstable Inferior Leaf of the Lateral Meniscus Anterior Horn and Associated Cysts through a Direct Inframeniscal Portal: A Retrospective Study. BioMed Research International, 2017, 2017, 1-7.	1.9	8
90	Egr1 deficiency disrupts dynamic equilibrium of chondrocyte extracellular matrix through PPARγ/RUNX2 signaling pathways. American Journal of Translational Research (discontinued), 2018, 10, 1620-1632.	0.0	8

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91	Biomechanical analysis of the effect of medial meniscus degenerative and traumatic lesions on the knee joint. American Journal of Translational Research (discontinued), 2019, 11, 542-556.	0.0	8
92	Bi-directional regulation of cartilage metabolism by inhibiting BET proteinsâ€"analysis of the effect of I-BET151 on human chondrocytes and murine joints. Journal of Orthopaedic Surgery and Research, 2018, 13, 118.	2.3	7
93	A genomeâ€wide association study identifies new genes associated with developmental dysplasia of the hip. Clinical Genetics, 2019, 95, 345-355.	2.0	7
94	Influence of deformed primitive architecture on mechanical behavior of artificial porous meniscus. Materials and Design, 2020, 186, 108303.	7.0	7
95	Everolimus reduces postoperative arthrofibrosis in rabbits by inducing autophagy-mediated fibroblast apoptosis by PI3K/Akt/mTOR signaling pathway. Biochemical and Biophysical Research Communications, 2020, 533, 1-8.	2.1	7
96	Stability evaluation of anterior external fixation in patient with unstable pelvic ring fracture: a finite element analysis. Annals of Translational Medicine, 2019, 7, 303-303.	1.7	7
97	Specific Clearance of Senescent Synoviocytes Suppresses the Development of Osteoarthritis based on Aptamerâ€Functionalized Targeted Drug Delivery System. Advanced Functional Materials, 2022, 32, .	14.9	7
98	Functional redundancy among Polycomb complexes in maintaining the pluripotent state of embryonic stem cells. Stem Cell Reports, 2022, 17, 1198-1214.	4.8	7
99	Bone Cement Solidifiliation Influence the Limb Alignment and Gap Balance during TKA. BioMed Research International, 2015, 2015, 1-3.	1.9	6
100	Knockdown of Ggps1 in chondrocyte expedites fracture healing by accelerating the progression of endochondral ossification in mice. Journal of Bone and Mineral Metabolism, 2018, 36, 133-147.	2.7	6
101	Evaluation of the Effect of the Sulcus Angle and Lateral to Medial Facet Ratio of the Patellar Groove on Patella Tracking in Aging Subjects with Stable Knee Joint. BioMed Research International, 2018, 2018, 1-5.	1.9	6
102	Is the femoral component flexion affected by the sagittal femoral shaft bowing in conventional intramedullary guided TKA?. Journal of Orthopaedic Surgery and Research, 2021, 16, 701.	2.3	4
103	Osteogenesis of Iron Oxide Nanoparticles-Labeled Human Precartilaginous Stem Cells in Interpenetrating Network Printable Hydrogel. Frontiers in Bioengineering and Biotechnology, 2022, 10, 872149.	4.1	4
104	Icaritin-Incorporated Porous Hollow Iron Oxide Nanostructures for Promoting Fracture Repair. ACS Applied Nano Materials, 2022, 5, 6597-6608.	5.0	4
105	Duo Cadherinâ€Functionalized Microparticles Synergistically Induce Chondrogenesis and Cartilage Repair of Stem Cell Aggregates. Advanced Healthcare Materials, 2022, 11, e2200246.	7.6	4
106	A C-Met chemical inhibitor promotes fracture healing through interacting with osteogenic differentiation via the mTORC1 pathway. Experimental Cell Research, 2019, 381, 50-56.	2.6	3
107	Tissue-Specific Splicing and Dietary Interaction of a Mutant <i>As160</i> Allele Determine Muscle Metabolic Fitness in Rodents. Diabetes, 2021, 70, 1826-1842.	0.6	3
108	The impact of graduated compression stockings on calf-vein deformation and blood velocity in patients awaiting total knee arthroplasty. BMC Musculoskeletal Disorders, 2021, 22, 722.	1.9	3

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109	A Study of Hydrophobically Modified Pullulan Nanoparticles with Different Hydrophobic Densities on the Effect of Anti-Colon Cancer Cell Efficiency. Journal of Biomedical Nanotechnology, 2021, 17, 1972-1983.	1.1	3
110	Update on basic and clinical aspects of osteoarthritis. Annals of Translational Medicine, 2015, 3, 142.	1.7	3
111	Accelerated development of instability-induced osteoarthritis in transgenic mice overexpressing SOST. International Journal of Clinical and Experimental Pathology, 2017, 10, 10830-10840.	0.5	3
112	Novel HSPG2 mutations causing Schwartzâ€'Jampel syndrome type 1 in a Chinese family: A case report. Molecular Medicine Reports, 2018, 18, 1761-1765.	2.4	2
113	The predictive factors that are associated with the number of sutures used during meniscal repair. BMC Musculoskeletal Disorders, 2021, 22, 66.	1.9	2
114	Which factors are associated with the prevalence of meniscal repair?. BMC Musculoskeletal Disorders, 2021, 22, 295.	1.9	2
115	Network Pharmacology-Based Strategy for the Investigation of the Anti-Osteoporosis Effects and Underlying Mechanism of Zhuangguguanjie Formulation. Frontiers in Pharmacology, 2021, 12, 727808.	3.5	2
116	Preoperative ultrasound to map the three-dimensional anatomical distribution of the lateral femoral cutaneous nerve in direct anterior approach for total hip arthroplasty. Journal of Orthopaedic Surgery and Research, 2021, 16, 623.	2.3	2
117	Development of magnetic particle-based chemiluminescence immunoassay for measurement of SARS-CoV-2 nucleocapsid protein. Journal of Virological Methods, 2022, 302, 114486.	2.1	2
118	Influence of Intra-Articular Administration of Trichostatin A on Autologous Osteochondral Transplantation in a Rabbit Model. BioMed Research International, 2015, 2015, 1-8.	1.9	1
119	Zhuangguguanjie formulation protects articular cartilage from degeneration in joint instability-induced murine knee osteoarthritis. American Journal of Translational Research (discontinued), 2018, 10, 411-421.	0.0	1
120	A novel missense variant in is associated with developmental dysplasia of the hip in Han Chinese population. International Journal of Clinical and Experimental Pathology, 2017, 10, 10483-10488.	0.5	1
121	The changes of the calf-vein deformation and femoral vein peak velocity during ankle pump exercise with or without graduated compression stockings. BMC Musculoskeletal Disorders, 2022, 23, 435.	1.9	1
122	Editorial on the original article entitled "3D printing of composite calcium phosphate and collagen scaffolds for bone regeneration" published in the Biomaterials on February 14, 2014. Annals of Translational Medicine, 2015, 3, S2.	1.7	0
123	Reply to: Could leptin-deficient mice be good novel models for diabetic Achilles tendinopathy?. Clinical and Experimental Rheumatology, 2017, 35 Suppl 104, 4.	0.8	0
124	Directionally Aligned Crown Ethers as Superactive Organocatalysts for Transitionâ€metal Ionâ€free Arylation of Unactivated Arenes. Chemistry - an Asian Journal, 2022, 17, .	3.3	0