

Kenichi Yoshikawa

List of Publications by Year in Descending Order

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

677
papers

17,959
citations

65
h-index

105
g-index

776
ext. papers

19,476
ext. citations

4.5
avg, IF

6.54
L-index

#	Paper	IF	Citations
677	Effect of Training With the Hybrid Assistive Limb on Gait Cycle Kinematics After Total Knee Arthroplasty. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2021 , 12, 21514593211049075	2	0
676	Transitions among Cracking, Peeling and Homogenization on Drying of an Aqueous Solution Containing Glucose and Starch. <i>Chemistry Letters</i> , 2021 , 50, 1011-1014	1.7	
675	Longer DNA exhibits greater potential for cell-free gene expression. <i>Scientific Reports</i> , 2021 , 11, 11739	4.9	5
674	Double-strand breaks in genome-sized DNA caused by megahertz ultrasound. <i>Journal of the Acoustical Society of America</i> , 2021 , 150, 241	2.2	3
673	Early Recovery of Walking Ability in Patients After Total Knee Arthroplasty Using a Hip-Wearable Exoskeleton Robot: A Case-Controlled Clinical Trial. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2021 , 12, 21514593211027675	2	1
672	Emergence of Many Mini-Circles from a Coffee Suspension with Mechanical Rotation 2021 , 3, 8-16	2.1	
671	Effects of Structural Isomers of Spermine on the Higher-Order Structure of DNA and Gene Expression. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
670	Emergence of uniform linearly-arranged micro-droplets entrapping DNA and living cells through water/water phase-separation. <i>Scientific Reports</i> , 2021 , 11, 23570	4.9	
669	Higher-order structure of DNA determines its positioning in cell-size droplets under crowded conditions.. <i>PLoS ONE</i> , 2021 , 16, e0261736	3.7	3
668	Energy consumption and conversion efficiency for a micromotor under DC voltage. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 607, 125496	5.1	2
667	Effect of the Hybrid Assistive Limb on the Gait Pattern for Cerebral Palsy. <i>Medicina (Lithuania)</i> , 2020 , 56,	3.1	4
666	Gait Training Using a Wearable Robotic Device for Non-Traumatic Spinal Cord Injury: A Case Report. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2020 , 11, 2151459320956960	2	1
665	Development of a EPIC with glass substrate aiming at high gas gain. <i>Journal of Physics: Conference Series</i> , 2020 , 1498, 012002	0.3	2
664	Nonspecific characteristics of macromolecules create specific effects in living cells. <i>Biophysical Reviews</i> , 2020 , 12, 425-434	3.7	3
663	Gait training using the Honda Walking Assist Device□ for individuals with transfemoral amputation: A report of two cases. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2020 , 33, 339-344	1.4	3
662	Safety and immediate effects of Hybrid Assistive Limb in children with cerebral palsy: A pilot study. <i>Brain and Development</i> , 2020 , 42, 140-147	2.2	5
661	Cell-Fate Determination from Embryo to Cancer Development: Genomic Mechanism Elucidated. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6

660	Low-efficiency of gene expression with a long diamine is attributable to the effect on DNA zipping. <i>Chemical Physics Letters</i> , 2020 , 745, 137253	2.5	1
659	Self-Emergent Protocells Generated in an Aqueous Solution with Binary Macromolecules through Liquid-Liquid Phase Separation. <i>ChemBioChem</i> , 2020 , 21, 3323-3328	3.8	11
658	Gait Training Using a Hip-Wearable Robotic Exoskeleton After Total Knee Arthroplasty: A Case Report. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2020 , 11, 2151459320966483	2	2
657	K ⁺ promotes the favorable effect of polyamine on gene expression better than Na. <i>PLoS ONE</i> , 2020 , 15, e0238447	3.7	5
656	Switching between positive and negative movement near an air/water interface through lateral laser illumination. <i>Applied Physics Letters</i> , 2020 , 117, 073701	3.4	1
655	Robot-assisted gait training using a very small-sized Hybrid Assistive Limb for pediatric cerebral palsy: A case report. <i>Brain and Development</i> , 2020 , 42, 468-472	2.2	8
654	Helical micromotor operating under stationary DC electrostatic field. <i>Journal of Chemical Physics</i> , 2019 , 150, 014901	3.9	11
653	Amino Acid Sequence of Oligopeptide Causes Marked Difference in DNA Compaction and Transcription. <i>Biophysical Journal</i> , 2019 , 116, 1836-1844	2.9	3
652	A case of an elderly hip disarticulation amputee with rheumatoid arthritis who regained the ability to walk using a hip prosthesis. <i>Journal of Physical Therapy Science</i> , 2019 , 31, 366-370	1	2
651	Safety and efficacy of robotic elbow training using the upper limb single-joint hybrid assistive limb combined with conventional rehabilitation for bilateral obstetric brachial plexus injury with co-contraction: a case report. <i>Journal of Physical Therapy Science</i> , 2019 , 31, 206-210	1	3
650	Gait Training Using the Honda Walking Assistive Device in a Patient Who Underwent Total Hip Arthroplasty: A Single-Subject Study. <i>Medicina (Lithuania)</i> , 2019 , 55,	3.1	8
649	Aqueous/Aqueous Micro Phase Separation: Construction of an Artificial Model of Cellular Assembly. <i>Frontiers in Chemistry</i> , 2019 , 7, 44	5	8
648	Different Effects of Cisplatin and Transplatin on the Higher-Order Structure of DNA and Gene Expression. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	8
647	Self-Synchronous Swinging Motion of a Pair of Autonomous Droplets. <i>ACS Omega</i> , 2019 , 4, 12766-12770	3.9	3
646	Adjusting Assistance Commensurates with Patient Effort During Robot-Assisted Upper Limb Training for a Patient with Spasticity After Cervical Spinal Cord Injury: A Case Report. <i>Medicina (Lithuania)</i> , 2019 , 55,	3.1	1
645	Construction of 3D Cellular Composites with Stem Cells Derived from Adipose Tissue and Endothelial Cells by Use of Optical Tweezers in a Natural Polymer Solution. <i>Materials</i> , 2019 , 12,	3.5	2
644	Effectiveness of a Walking Program Involving the Hybrid Assistive Limb Robotic Exoskeleton Suit for Improving Walking Ability in Stroke Patients: Protocol for a Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2019 , 8, e14001	2	4
643	Double-strand breaks in genome-sized DNA caused by photo-irradiation, gamma-rays and ultrasound. <i>Journal of Advanced Simulation in Science and Engineering</i> , 2019 , 6, 189-194	0.4	

642	A Consecutive 25-Week Program of Gait Training, Using the Alternating Hybrid Assistive Limb (HAL) Robot and Conventional Training, and Its Effects on the Walking Ability of a Patient with Chronic Thoracic Spinal Cord Injury: A Single Case Reversal Design. <i>Medicina (Lithuania)</i> , 2019 , 55,	3.1	2
641	Specific effects of antitumor active norspermidine on the structure and function of DNA. <i>Scientific Reports</i> , 2019 , 9, 14971	4.9	13
640	Repulsive/attractive interaction among compact DNA molecules as judged through laser trapping: difference between linear- and branched-chain polyamines. <i>Colloid and Polymer Science</i> , 2019 , 297, 397-407	2.4	4
639	Emergence of Pendular and Rotary Motions of a Centimeter-Sized Metallic Sheet under Stationary Photoirradiation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2747-2752	3.8	5
638	Specific Spatial Localization of Actin and DNA in a Water/Water Microdroplet: Self-Emergence of a Cell-Like Structure. <i>ChemBioChem</i> , 2018 , 19, 1370-1374	3.8	23
637	Double-strand breaks in genome-sized DNA caused by mechanical stress under mixing: Quantitative evaluation through single-molecule observation. <i>Chemical Physics Letters</i> , 2018 , 701, 81-85	2.5	2
636	Emergence of Strong Nonlinear Viscoelastic Response of Semifluorinated Alkane Monolayers. <i>Langmuir</i> , 2018 , 34, 2489-2496	4	5
635	Cooperative standing-horizontal-standing reentrant transition for numerous solid particles under external vibration. <i>Scientific Reports</i> , 2018 , 8, 437	4.9	3
634	Use of Hybrid Assistive Limb (HAL) for a postoperative patient with cerebral palsy: a case report. <i>BMC Research Notes</i> , 2018 , 11, 201	2.3	7
633	Training with Hybrid Assistive Limb for walking function after total knee arthroplasty. <i>Journal of Orthopaedic Surgery and Research</i> , 2018 , 13, 163	2.8	17
632	Robot-assisted training using Hybrid Assistive Limb for cerebral palsy. <i>Brain and Development</i> , 2018 , 40, 642-648	2.2	19
631	Decorating a single giant DNA with gold nanoparticles.. <i>RSC Advances</i> , 2018 , 8, 26571-26579	3.7	7
630	Region of Interest analysis using mass spectrometry imaging of mitochondrial and sarcomeric proteins in acute cardiac infarction tissue. <i>Scientific Reports</i> , 2018 , 8, 7493	4.9	16
629	Opposite effect of polyamines on In vitro gene expression: Enhancement at low concentrations but inhibition at high concentrations. <i>PLoS ONE</i> , 2018 , 13, e0193595	3.7	23
628	Development of the micro pixel chamber based on MEMS technology. <i>EPJ Web of Conferences</i> , 2018 , 174, 02010	0.3	1
627	Manipulating Living Cells to Construct Stable 3D Cellular Assembly Without Artificial Scaffold. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	2
626	Safety and immediate effect of gait training using a Hybrid Assistive Limb in patients with cerebral palsy. <i>Journal of Physical Therapy Science</i> , 2018 , 30, 1009-1013	1	9
625	Spiral sockets for various types of stumps in transhumeral amputees: a case series. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2018 , 54, 752-756	4.4	

624	Optical Fluid Pump: Generation of Directional Flow via Microphase Segregation/Homogenization. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 5792-5796	6.4	1
623	Nonlinear Viscoelasticity of Highly Ordered, Two-Dimensional Assemblies of Metal Nanoparticles Confined at the Air/Water Interface. <i>Langmuir</i> , 2018 , 34, 13025-13034	4	4
622	Stretching of single DNA molecules caused by accelerating flow on a microchip. <i>Journal of Chemical Physics</i> , 2018 , 149, 165101	3.9	6
621	Cracking pattern of tissue slices induced by external extension provides useful diagnostic information. <i>Scientific Reports</i> , 2018 , 8, 12167	4.9	0
620	Long-term sustained effect of gait training using a hybrid assistive limb on gait stability via prevention of knee collapse in a patient with cerebral palsy: a case report. <i>Journal of Physical Therapy Science</i> , 2018 , 30, 1206-1210	1	4
619	Branched-Chain Polyamine Found in Hyperthermophiles Induces Unique Temperature-Dependent Structural Changes in Genome-Size DNA. <i>ChemPhysChem</i> , 2018 , 19, 2284-2284	3.2	
618	Immediate effects of a single session of robot-assisted gait training using Hybrid Assistive Limb (HAL) for cerebral palsy. <i>Journal of Physical Therapy Science</i> , 2018 , 30, 207-212	1	22
617	Association of Serum HB-EGF Value and Response to Chemotherapy in Patients with Recurrent Ovarian Cancer. <i>Anticancer Research</i> , 2018 , 38, 4347-4351	2.3	2
616	Branched-Chain Polyamine Found in Hyperthermophiles Induces Unique Temperature-Dependent Structural Changes in Genome-Size DNA. <i>ChemPhysChem</i> , 2018 , 19, 2299-2304	3.2	19
615	Psychological stress exacerbates NSAID-induced small bowel injury by inducing changes in intestinal microbiota and permeability via glucocorticoid receptor signaling. <i>Journal of Gastroenterology</i> , 2017 , 52, 61-71	6.9	36
614	Gait training of subacute stroke patients using a hybrid assistive limb: a pilot study. <i>Disability and Rehabilitation: Assistive Technology</i> , 2017 , 12, 197-204	1.8	24
613	Spontaneous acquisition of infinite proliferative capacity by a rabbit corneal endothelial cell line with maintenance of phenotypic and physiological characteristics. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 1057-1064	4.4	7
612	Gait training with Hybrid Assistive Limb enhances the gait functions in subacute stroke patients: A pilot study. <i>NeuroRehabilitation</i> , 2017 , 40, 87-97	2	25
611	Double-Strand Breaks in Genome-Sized DNA Caused by Ultrasound. <i>ChemPhysChem</i> , 2017 , 18, 959-964	3.2	13
610	Conformational transition of DNA by dinuclear Pt(II) complexes causes cooperative inhibition of gene expression. <i>Chemical Physics Letters</i> , 2017 , 678, 123-129	2.5	8
609	The Aqueous Two Phase System (ATPS) Deserves Plausible Real-World Modeling for the Structure and Function of Living Cells. <i>MRS Advances</i> , 2017 , 2, 2407-2413	0.7	2
608	Uric acid ameliorates indomethacin-induced enteropathy in mice through its antioxidant activity. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2017 , 32, 1839-1845	4	10
607	Specific Conformational Change in Giant DNA Caused by Anticancer Tetrazolato-Bridged Dinuclear Platinum(II) Complexes: Middle-Length Alkyl Substituents Exhibit Minimum Effect. <i>Inorganic Chemistry</i> , 2017 , 56, 802-811	5.1	18

606	Dynamics of spatiotemporal line defects and chaos control in complex excitable systems. <i>Scientific Reports</i> , 2017 , 7, 7757	4.9	4
605	Spontaneous Oscillations and Synchronization of Active Droplets on a Water Surface via Marangoni Convection. <i>Langmuir</i> , 2017 , 33, 12362-12368	4	5
604	The Training Effect of Early Intervention with a Hybrid Assistive Limb after Total Knee Arthroplasty. <i>Case Reports in Orthopedics</i> , 2017 , 2017, 6912706	0.4	6
603	Manipulating Living Cells to Construct a 3D Single-Cell Assembly without an Artificial Scaffold. <i>Polymers</i> , 2017 , 9,	4.5	11
602	Liver injury after aluminum potassium sulfate and tannic acid treatment of hemorrhoids. <i>World Journal of Gastroenterology</i> , 2017 , 23, 5034-5040	5.6	6
601	Effects of friction massage of the popliteal fossa on blood flow velocity of the popliteal vein. <i>Journal of Physical Therapy Science</i> , 2017 , 29, 511-514	1	1
600	Single-Cell Reprogramming in Mouse Embryo Development through a Critical Transition State. <i>Entropy</i> , 2017 , 19, 584	2.8	5
599	A single-molecule assessment of the protective effect of DMSO against DNA double-strand breaks induced by photo-and γ -irradiation, and freezing. <i>Scientific Reports</i> , 2017 , 7, 8557	4.9	14
598	Periodic Motions of Solid Particles with Various Morphology under a DC Electrostatic Field. <i>Chemistry Letters</i> , 2017 , 46, 1470-1472	1.7	3
597	Localization switching of a large object in a crowded cavity: A rigid/soft object prefers surface/inner positioning. <i>Journal of Chemical Physics</i> , 2017 , 147, 204901	3.9	4
596	Self-Organized Micro-Spiral of Single-Walled Carbon Nanotubes. <i>Scientific Reports</i> , 2017 , 7, 5267	4.9	10
595	Sensing Parameters of a Time Dependent Inflow with an Enzymatic Reaction. <i>Emergence, Complexity and Computation</i> , 2017 , 85-104	0.1	0
594	Endoscopic submucosal dissection in a patient with esophageal adenoid cystic carcinoma. <i>World Journal of Gastroenterology</i> , 2017 , 23, 8097-8103	5.6	3
593	Self-Organization of Genome Expression from Embryo to Terminal Cell Fate: Single-Cell Statistical Mechanics of Biological Regulation. <i>Entropy</i> , 2017 , 20,	2.8	12
592	How many enzyme molecules are needed for discrimination oriented applications?. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 20518-27	3.6	1
591	Fluctuations induced transition of localization of granular objects caused by degrees of crowding. <i>Physica D: Nonlinear Phenomena</i> , 2016 , 336, 39-46	3.3	3
590	Order estimates for the exact Luggani-Bice expansion. <i>Japan Journal of Industrial and Applied Mathematics</i> , 2016 , 33, 25-61	0.6	
589	Formation of stable cell-cell contact without a solid/gel scaffold: Non-invasive manipulation by laser under depletion interaction with a polymer. <i>Chemical Physics Letters</i> , 2016 , 655-656, 11-16	2.5	3

588	P-117 Investigation of Mismatch Cases Between Magnetic Resonance Enterocolonography and Endoscopy in Intestinal Lesion of Patients with Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2016 , 22, S46	4.5	
587	Pierce characteristics of titanium foil with roll press method. <i>Microelectronic Engineering</i> , 2016 , 150, 74-83	5	2
586	Hybrid Assistive Limb enhances the gait functions in sub-acute stroke stage: A multi single-case study. <i>Physiotherapy Practice and Research</i> , 2016 , 37, 91-100	0.8	3
585	Self-Organizing Global Gene Expression Regulated through Criticality: Mechanism of the Cell-Fate Change. <i>PLoS ONE</i> , 2016 , 11, e0167912	3.7	30
584	Naturally occurring branched-chain polyamines induce a crosslinked meshwork structure in a giant DNA. <i>Journal of Chemical Physics</i> , 2016 , 145, 235103	3.9	16
583	Platelet interaction with lymphatics aggravates intestinal inflammation by suppressing lymphangiogenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, G276-85	5.1	12
582	Divalent cation shrinks DNA but inhibits its compaction with trivalent cation. <i>Journal of Chemical Physics</i> , 2016 , 144, 205101	3.9	17
581	Screening out the non-Arrhenius behaviour of nematic-isotropic transition by room temperature ionic liquid. <i>Journal of Chemical Physics</i> , 2016 , 144, 084904	3.9	1
580	Negative/positive chemotaxis of a droplet: Dynamic response to a stimulant gas. <i>Applied Physics Letters</i> , 2016 , 108, 203703	3.4	4
579	Rotary motion of a micro-solid particle under a stationary difference of electric potential. <i>Journal of Chemical Physics</i> , 2016 , 145, 034902	3.9	8
578	Highly Concentrated Ethanol Solutions: Good Solvents for DNA as Revealed by Single-Molecule Observation. <i>ChemPhysChem</i> , 2016 , 17, 471-3	3.2	5
577	Pharmacokinetics of the Soluble Guanylate Cyclase Stimulator Riociguat in Healthy Young Chinese Male Non-Smokers and Smokers: Results of a Randomized, Double-Blind, Placebo-Controlled Study. <i>Clinical Pharmacokinetics</i> , 2016 , 55, 615-24	6.2	8
576	A toy model for nucleus-sized crowding confinement. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 064118	1.8	3
575	Roughening Dynamics of Radial Imbibition in a Porous Medium. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 12508-12513	3.8	6
574	Micropiercing of titanium foil by a roll press method. <i>Microelectronic Engineering</i> , 2015 , 139, 53-59	2.5	2
573	Micromotors working in water through artificial aerobic metabolism. <i>Nanoscale</i> , 2015 , 7, 13186-90	7.7	23
572	Steadily oscillating axial bands of binary granules in a nearly filled coaxial cylinder. <i>Physical Review E</i> , 2015 , 91, 010201	2.4	5
571	Does DNA exert an active role in generating cell-sized spheres in an aqueous solution with a crowding binary polymer?. <i>Life</i> , 2015 , 5, 459-66	3	8

570	Marked difference in conformational fluctuation between giant DNA molecules in circular and linear forms. <i>Journal of Chemical Physics</i> , 2015 , 142, 145101	3.9	6
569	Tooth germ invagination from cell-cell interaction: Working hypothesis on mechanical instability. <i>Journal of Theoretical Biology</i> , 2015 , 382, 284-91	2.3	19
568	Magnetic resonance enterocolonography in detecting erosion and redness in intestinal mucosa of patients with Crohn's disease. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2015 , 30, 667-73	4	24
567	Protective effect of ascorbic acid against double-strand breaks in giant DNA: Marked differences among the damage induced by photo-irradiation, gamma-rays and ultrasound. <i>Chemical Physics Letters</i> , 2015 , 638, 205-209	2.5	13
566	Mode bifurcation of a bouncing dumbbell with chirality. <i>Physical Review E</i> , 2015 , 91, 052905	2.4	8
565	Discrimination of time-dependent inflow properties with a cooperative dynamical system. <i>Chaos</i> , 2015 , 25, 103115	3.3	7
564	Elimination of a spiral wave pinned at an obstacle by a train of plane waves: Effect of diffusion between obstacles and surrounding media. <i>Chaos</i> , 2015 , 25, 103127	3.3	13
563	Self-organized target and spiral patterns through the "coffee ring" effect. <i>Journal of Chemical Physics</i> , 2015 , 143, 084702	3.9	4
562	Structurally Diverse Polyamines: Solid-Phase Synthesis and Interaction with DNA. <i>ChemBioChem</i> , 2015 , 16, 1811-9	3.8	7
561	Emergent Self-Organized Criticality in Gene Expression Dynamics: Temporal Development of Global Phase Transition Revealed in a Cancer Cell Line. <i>PLoS ONE</i> , 2015 , 10, e0128565	3.7	32
560	The evolution of spatial ordering of oil drops fast spreading on a water surface. <i>Nature Communications</i> , 2015 , 6, 7189	17.4	27
559	Recombinant Thrombomodulin Modulates Murine Colitis Possibly via High-Mobility Group Box 1 Protein Inhibition. <i>Digestion</i> , 2015 , 92, 108-19	3.6	4
558	Compaction of double-stranded DNA by negatively charged proteins and colloids. <i>Current Opinion in Colloid and Interface Science</i> , 2015 , 20, 60-65	7.6	8
557	Comparison of endoscopy and magnetic resonance enterocolonography in intestinal lesion of patients with Crohn's disease. <i>Progress of Digestive Endoscopy</i> , 2015 , 86, 74-78	0	
556	Chiral selection in wrapping, crossover, and braiding of DNA mediated by asymmetric bend-writhe elasticity. <i>AIMS Biophysics</i> , 2015 , 2, 666-694	0.8	1
555	Self-organized patterning through the dynamic segregation of DNA and silica nanoparticles. <i>Scientific Reports</i> , 2014 , 4, 3660	4.9	9
554	Rigidity of a spherical capsule switches the localization of encapsulated particles between inner and peripheral regions under crowding condition: simple model on cellular architecture. <i>Journal of Chemical Physics</i> , 2014 , 140, 024907	3.9	5
553	Microrheology of polysaccharide nanogel-integrated system. <i>Colloid and Polymer Science</i> , 2014 , 292, 325-331	2.4	4

552	Wetting transitions within membrane compartments. <i>Soft Matter</i> , 2014 , 10, 5311-7	3.6	3
551	Crowding by anionic nanoparticles causes DNA double-strand instability and compaction. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 1256-62	3.4	26
550	Chiral symmetry breaking of a double-stranded helical chain through bend-writhe coupling. <i>Physical Review E</i> , 2014 , 89, 062713	2.4	1
549	Early syphilitic hepatitis concomitant with nephrotic syndrome followed by acute kidney injury. <i>Clinical Journal of Gastroenterology</i> , 2014 , 7, 349-54	1.1	8
548	Amoeba-like motion of an oil droplet. <i>European Physical Journal: Special Topics</i> , 2014 , 223, 1345-1352	2.3	2
547	Arrangement and Periodic Motion of Microparticles in an Oil Phase under a DC Electric Field. <i>Journal of the Society of Powder Technology, Japan</i> , 2014 , 51, 823-827	0.3	3
546	1P278 Band-pass filtering to rhythmic input : A simple model of nonlinear response in a living cell(24. Mathematical biology,Poster,The 52nd Annual Meeting of the Biophysical Society of Japan(BSJ2014)). <i>Seibutsu Butsuri</i> , 2014 , 54, S187	0	
545	3P126 Transcription modulator protein STPR induces the folding of a single giant DNA molecule in sequence-nonspecific manner(05B. Nucleic acid: Interaction & Complex Formation,Poster,The 52nd Annual Meeting of the Biophysical Society of Japan(BSJ2014)). <i>Seibutsu Butsuri</i> , 2014 , 54, S269	0	
544	3P125 DNA-bending protein HMG-1/2 sequence-independently folds a single giant duplex DNA chain(05B. Nucleic acid: Interaction & Complex formation,Poster,The 52nd Annual Meeting of the Biophysical Society of Japan(BSJ2014)). <i>Seibutsu Butsuri</i> , 2014 , 54, S269	0	
543	3P275 Modeling of crowded environment under micro-confinement : Detachment of a large object from the surface(24. Mathematical biology,Poster,The 52nd Annual Meeting of the Biophysical Society of Japan(BSJ2014)). <i>Seibutsu Butsuri</i> , 2014 , 54, S294	0	
542	2P122 Condensed DNA is unfolded into elongated conformation at ethanol concentration around 80%(05B. Nucleic acid: Interaction & Complex formation,Poster,The 52nd Annual Meeting of the Biophysical Society of Japan(BSJ2014)). <i>Seibutsu Butsuri</i> , 2014 , 54, S215	0	
541	3P127 Comparison of DNA double-strand breaks caused by ultrasound and Co60 gamma-ray with attention to the effect on its higher-order structure(05B. Nucleic acid: Interaction & Complex formation,Poster,The 52nd Annual Meeting of the Biophysical Society of Japan(BSJ2014)). <i>Seibutsu Butsuri</i> , 2014 , 54, S270	0	
540	Specific transformation of assembly with actin filaments and molecular motors in a cell-sized self-emerged liposome. <i>Origins of Life and Evolution of Biospheres</i> , 2014 , 44, 325-9	1.5	1
539	Communication: Mode bifurcation of droplet motion under stationary laser irradiation. <i>Journal of Chemical Physics</i> , 2014 , 141, 051103	3.9	15
538	Proposal of bioinstrumentation using flex sensor for amputated upper limb. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 1218-21	0.9	2
537	Characteristic behavior of crowding macromolecules confined in cell-sized droplets. <i>International Review of Cell and Molecular Biology</i> , 2014 , 307, 175-204	6	19
536	Global genetic response in a cancer cell: self-organized coherent expression dynamics. <i>PLoS ONE</i> , 2014 , 9, e97411	3.7	17
535	Dynamical formation of lipid bilayer vesicles from lipid-coated droplets across a planar monolayer at an oil/water interface. <i>Soft Matter</i> , 2013 , 9, 9539-47	3.6	20

534	Self-assembly of an amphiphilic macromolecule under spherical confinement: an efficient route to generate hollow nanospheres. <i>Journal of Chemical Physics</i> , 2013 , 139, 244901	3.9	8
533	Abstracting the essence of the confinement effect on crowding microspheres: Mean-field theory and numerical simulation. <i>Chemical Physics Letters</i> , 2013 , 590, 196-200	2.5	3
532	Structural change of DNA induced by nucleoid proteins: growth phase-specific Fis and stationary phase-specific Dps. <i>Biophysical Journal</i> , 2013 , 105, 1037-44	2.9	21
531	K3 surfaces with involution, equivariant analytic torsion, and automorphic forms on the moduli space, II: A structure theorem for $r(M) > 10$. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2013 , 2013,	1.2	1
530	Plasmonic imaging of brownian motion of single DNA molecules spontaneously binding to Ag nanoparticles. <i>Nano Letters</i> , 2013 , 13, 1877-82	11.5	12
529	Second- and higher-order structural changes of DNA induced by antitumor-active tetrazolato-bridged dinuclear platinum(II) complexes with different types of 5-substituent. <i>Journal of Inorganic Biochemistry</i> , 2013 , 127, 169-74	4.2	22
528	Back-and-forth micromotion of aqueous droplets in a dc electric field. <i>Physical Review E</i> , 2013 , 88, 042918	1.4	20
527	Probability of double-strand breaks in genome-sized DNA by γ -ray decreases markedly as the DNA concentration increases. <i>Journal of Chemical Physics</i> , 2013 , 138, 174907	3.9	10
526	Effect of low-frequency ultrasound on double-strand breaks in giant DNA molecules. <i>Applied Physics Letters</i> , 2013 , 103, 063705	3.4	10
525	Catalytic micromotor generating self-propelled regular motion through random fluctuation. <i>Journal of Chemical Physics</i> , 2013 , 139, 034705	3.9	26
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