

Hajime Tanaka

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.

266
papers

11,582
citations

57
h-index

98
g-index

298
ext. papers

12,933
ext. citations

6.8
avg, IF

7.21
L-index

#	Paper	IF	Citations
266	Predicting GFR after radical nephrectomy: the importance of split renal function.. <i>World Journal of Urology</i> , 2022 , 40, 1011	4	1
265	Microscopic structural origin behind slowing down of colloidal phase separation approaching gelation.. <i>Journal of Chemical Physics</i> , 2022 , 156, 084904	3.9	0
264	Roles of liquid structural ordering in glass transition, crystallization, and water's anomalies. <i>Journal of Non-Crystalline Solids: X</i> , 2022 , 13, 100076	2.5	3
263	Usefulness of texture features of apparent diffusion coefficient maps in predicting chemoradiotherapy response in muscle-invasive bladder cancer. <i>European Radiology</i> , 2022 , 32, 671-679	8	3
262	Utility of radiomics features of diffusion-weighted magnetic resonance imaging for differentiation of fat-poor angiomyolipoma from clear cell renal cell carcinoma: model development and external validation.. <i>Abdominal Radiology</i> , 2022 , 1	3	2
261	Impact of Charge Regulation on Self-Assembly of Zwitterionic Nanoparticles.. <i>Physical Review Letters</i> , 2022 , 128, 158001	7.4	
260	Towards Glasses with Permanent Stability. <i>Physical Review Letters</i> , 2021 , 127, 215501	7.4	3
259	Association Between the Occurrence and Spectrum of Immune-Related Adverse Events and Efficacy of Pembrolizumab in Asian Patients With Advanced Urothelial Cancer: Multicenter Retrospective Analyses and Systematic Literature Review. <i>Clinical Genitourinary Cancer</i> , 2021 , 19, 208-216.e1	3.3	5
258	Infiltrative Renal Malignancies: Imaging Features, Prognostic Implications, and Mimics. <i>Radiographics</i> , 2021 , 41, 487-508	5.4	2
257	Metastatic Diffusion Volume Based on Apparent Diffusion Coefficient as a Prognostic Factor in Castration-Resistant Prostate Cancer. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 54, 401-408	5.6	1
256	On the structural heterogeneity of supercooled liquids and glasses (a). <i>Europhysics Letters</i> , 2021 , 133, 56002	1.6	3
255	Editorial Comment. <i>Journal of Urology</i> , 2021 , 205, 1319-1320	2.5	
254	Fast crystal growth at ultra-low temperatures. <i>Nature Materials</i> , 2021 , 20, 1431-1439	27	3
253	First-line combination chemotherapy with etoposide, ifosfamide and cisplatin for the treatment of disseminated germ cell cancer: Efficacy and feasibility in current clinical practice. <i>International Journal of Urology</i> , 2021 , 28, 920-926	2.3	2
252	Nonmetastatic castration-resistant prostate cancer treated with salvage focal brachytherapy after external beam radiotherapy. <i>IJU Case Reports</i> , 2021 , 4, 228-230	0.5	0
251	Revealing thermally-activated nucleation pathways of diffusionless solid-to-solid transition. <i>Nature Communications</i> , 2021 , 12, 4042	17.4	2
250	Nonuse of antimicrobial prophylaxis in clean surgeries for adrenal and renal tumors: Results of the risk-based strategy in 1362 consecutive patients. <i>International Journal of Urology</i> , 2021 , 28, 1032-1038	2.3	

249	Significance of Bladder Neck Involvement in Risk Substratification of Intermediate-Risk Non-muscle-invasive Bladder Cancer. <i>European Urology Focus</i> , 2021 , 7, 366-372	5.1	0
248	Outcomes of gasless laparoendoscopic single-port partial nephrectomy in 356 consecutive patients: Feasibility of a clampless and sutureless technique. <i>International Journal of Urology</i> , 2021 , 28, 302-307	2.3	3
247	Three-dimensional analysis of systematic biopsy-derived prostate cancer upgrading over targeted biopsy: Potential of target margin and surrounding region sampling using magnetic resonance-ultrasound image fusion systems. <i>International Journal of Urology</i> , 2021 , 28, 127-129	2.3	1
246	Morphology selection kinetics of crystallization in a sphere. <i>Nature Physics</i> , 2021 , 17, 121-127	16.2	8
245	Long-term survival after radical cystectomy and mesenteric lymph node dissection for squamous cell carcinoma arising from augmented bladder with lymph node metastasis: a case report. <i>International Cancer Conference Journal</i> , 2021 , 10, 20-23	0.9	
244	Infiltrative Renal Masses: Clinical Significance and Fidelity of Documentation. <i>European Urology Oncology</i> , 2021 , 4, 264-273	6.7	8
243	Combination of Cisplatin and Irradiation Induces Immunogenic Cell Death and Potentiates Postirradiation Anti-PD-1 Treatment Efficacy in Urothelial Carcinoma. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
242	Power-law coarsening in network-forming phase separation governed by mechanical relaxation. <i>Nature Communications</i> , 2021 , 12, 912	17.4	7
241	Infiltrative tumor interface with normal renal parenchyma in locally advanced renal cell carcinoma: Clinical relevance and pathological implications. <i>International Journal of Urology</i> , 2021 , 28, 1233-1239	2.3	1
240	The potential of chemical bonding to design crystallization and vitrification kinetics. <i>Nature Communications</i> , 2021 , 12, 4978	17.4	16
239	Focal brachytherapy for localized prostate cancer: 5.7-year clinical outcomes and a pair-matched study with radical prostatectomy.. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2021 ,	2.8	1
238	Physical origin of glass formation from multicomponent systems. <i>Science Advances</i> , 2020 , 6,	14.3	15
237	Role of Attractive Interactions in Structure Ordering and Dynamics of Glass-Forming Liquids. <i>Physical Review Letters</i> , 2020 , 124, 225501	7.4	13
236	Role of many-body correlation in slow dynamics of glass-forming liquids: intrinsic or perturbative. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020 , 2020, 034003	1.9	7
235	Postoperative renal impairment and longitudinal change in renal function after adrenalectomy in patients with Cushing's syndrome. <i>International Journal of Urology</i> , 2020 , 27, 395-400	2.3	3
234	Revealing roles of competing local structural orderings in crystallization of polymorphic systems. <i>Science Advances</i> , 2020 , 6, eaaw8938	14.3	8
233	Editorial Comment from Dr Tanaka and Dr Fujii to Oncological outcomes and recurrence patterns after laparoscopic radical cystectomy for bladder cancer: A Japanese multicenter cohort. <i>International Journal of Urology</i> , 2020 , 27, 257	2.3	
232	Direct Evidence in the Scattering Function for the Coexistence of Two Types of Local Structures in Liquid Water. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2868-2875	16.4	30

231	Split renal function in patients with renal masses: utility of parenchymal volume analysis vs nuclear renal scans. <i>BJU International</i> , 2020 , 125, 686-694	5.6	4
230	Feasibility and outcomes of selective tetramodal bladder-preservation therapy in elderly patients with muscle-invasive bladder cancer. <i>International Journal of Urology</i> , 2020 , 27, 236-243	2.3	2
229	A novel physical mechanism of liquid flow slippage on a solid surface. <i>Science Advances</i> , 2020 , 6, eaaz0504	4.3	13
228	Value of extra-target prostate biopsy for the detection of magnetic resonance imaging-missed adverse pathology according to the Prostate Imaging Reporting and Data System scores: Spatial analysis using magnetic resonance-ultrasound fusion images. <i>International Journal of Urology</i> , 2020 , 27, 760-766	2.3	1
227	Infiltrative Renal Masses: Clinical Challenges. <i>Urology</i> , 2020 , 145, 3-8	1.6	0
226	Role of hydrodynamics in liquid-liquid transition of a single-component substance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4471-4479	11.5	13
225	Compensatory Changes in Parenchymal Mass and Function after Radical Nephrectomy. <i>Journal of Urology</i> , 2020 , 204, 42-49	2.5	7
224	Female Gender Predicts Favorable Prognosis in Patients With Non-metastatic Clear Cell Renal Cell Carcinoma Undergoing Curative Surgery: Results From the International Marker Consortium for Renal Cancer (INMARC). <i>Clinical Genitourinary Cancer</i> , 2020 , 18, 111-116.e1	3.3	4
223	Clinical Outcomes of Patients With Histologic Variants of Urothelial Carcinoma Treated With Selective Tetramodal Bladder-preservation Therapy Incorporating Consolidative Partial Cystectomy. <i>Clinical Genitourinary Cancer</i> , 2020 , 18, 268-273.e2	3.3	2
222	The anomalies and criticality of liquid water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 26591-26599	11.5	27
221	Liquid-liquid transition and polyamorphism. <i>Journal of Chemical Physics</i> , 2020 , 153, 130901	3.9	44
220	A unique route of colloidal phase separation yields stress-free gels. <i>Science Advances</i> , 2020 , 6,	14.3	7
219	Editorial Comment to Clinical Practice Guidelines for Bladder Cancer 2019 update by the Japanese Urological Association: Summary of the revision. <i>International Journal of Urology</i> , 2020 , 27, 710	2.3	
218	Emergent solidity of amorphous materials as a consequence of mechanical self-organisation. <i>Nature Communications</i> , 2020 , 11, 4863	17.4	11
217	Impact of radiotherapy to the primary tumor on the efficacy of pembrolizumab for patients with advanced urothelial cancer: A preliminary study. <i>Cancer Medicine</i> , 2020 , 9, 8355-8363	4.8	5
216	Impact of sarcopenia on the efficacy of pembrolizumab in patients with advanced urothelial carcinoma: a preliminary report. <i>Anti-Cancer Drugs</i> , 2020 , 31, 866-871	2.4	4
215	Bladder preservation therapy in muscle-invasive bladder cancer: Current evidence and future perspectives. <i>AME Medical Journal</i> , 2020 , 5, 16-16	1	1
214	Revealing Inherent Structural Characteristics of Jammed Particulate Packings. <i>Physical Review Letters</i> , 2019 , 122, 215502	7.4	11

213	Direct link between mechanical stability in gels and percolation of isostatic particles. <i>Science Advances</i> , 2019 , 5, eaav6090	14.3	40
212	Functional Recovery From Prolonged Warm Ischemia: Compelling Case Scenarios. <i>Urology</i> , 2019 , 132, 22-27	1.6	0
211	Impact of fluorodeoxyglucose uptake on positron emission tomography/computed tomography on chemosensitivity and survival in patients with metastatic urothelial carcinoma. <i>International Journal of Urology</i> , 2019 , 26, 820-826	2.3	
210	The Complete Spectrum of Infiltrative Renal Masses: Clinical Characteristics and Prognostic Implications. <i>Urology</i> , 2019 , 130, 86-92	1.6	8
209	Revealing key structural features hidden in liquids and glasses. <i>Nature Reviews Physics</i> , 2019 , 1, 333-348	23.6	78
208	Selective tetramodal bladder-preservation therapy, incorporating induction chemoradiotherapy and consolidative partial cystectomy with pelvic lymph node dissection for muscle-invasive bladder cancer: oncological and functional outcomes of 107 patients. <i>BJU International</i> , 2019 , 124, 242-250	5.6	23
207	Distinct signature of local tetrahedral ordering in the scattering function of covalent liquids and glasses. <i>Science Advances</i> , 2019 , 5, eaav3194	14.3	28
206	Numerical prediction of colloidal phase separation by direct computation of Navier-Stokes equation. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	10
205	Vascularized Parenchymal Mass Preserved with Partial Nephrectomy: Functional Impact and Predictive Factors. <i>European Urology Oncology</i> , 2019 , 2, 97-103	6.7	9
204	Open partial nephrectomy when a non-flank approach is required: indications and outcomes. <i>World Journal of Urology</i> , 2019 , 37, 515-522	4	2
203	Homogeneous nucleation of ferroelectric ice crystal driven by spontaneous dipolar ordering in supercooled TIPSP water. <i>Journal of Chemical Physics</i> , 2019 , 151, 024501	3.9	3
202	Crystalline clusters in mW water: Stability, growth, and grain boundaries. <i>Journal of Chemical Physics</i> , 2019 , 151, 044505	3.9	11
201	Complex dynamical interplay between solid particles and flow in driven granular suspensions. <i>Physical Review E</i> , 2019 , 100, 012907	2.4	2
200	Externally driven local colloidal ordering induced by a pointlike heat source. <i>Physical Review Research</i> , 2019 , 1,	3.9	1
199	Can We Predict Functional Outcomes after Partial Nephrectomy?. <i>Journal of Urology</i> , 2019 , 201, 693-701	12.5	7
198	Renal Cancer Surgery in Patients without Preexisting Chronic Kidney Disease-Is There a Survival Benefit for Partial Nephrectomy?. <i>Journal of Urology</i> , 2019 , 201, 1088-1096	2.5	3
197	Influence of Hydrodynamic Interactions on Colloidal Crystallization. <i>Physical Review Letters</i> , 2019 , 123, 258002	7.4	7
196	Structural order as a genuine control parameter of dynamics in simple glass formers. <i>Nature Communications</i> , 2019 , 10, 5596	17.4	28

195	A case of immunoglobulin G4-related inflammatory pseudotumor mimicking renal cell carcinoma. <i>Abdominal Radiology</i> , 2019 , 44, 1230-1236	3	1
194	Acute kidney injury and intermediate-term renal function after clampless partial nephrectomy. <i>International Journal of Urology</i> , 2019 , 26, 113-118	2.3	6
193	Intensity ratio curve analysis of small renal masses on T2-weighted magnetic resonance imaging: Differentiation of fat-poor angiomyolipoma from renal cell carcinoma. <i>International Journal of Urology</i> , 2018 , 25, 554-560	2.3	3
192	Microscopic structural descriptor of liquid water. <i>Journal of Chemical Physics</i> , 2018 , 148, 124503	3.9	30
191	Physical foundation of the fluid particle dynamics method for colloid dynamics simulation. <i>Soft Matter</i> , 2018 , 14, 3738-3747	3.6	12
190	Vitrification and gelation in sticky spheres. <i>Journal of Chemical Physics</i> , 2018 , 148, 044501	3.9	34
189	Impact of local symmetry breaking on the physical properties of tetrahedral liquids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 1980-1985	11.5	25
188	Imprudent Utilization of Partial Nephrectomy. <i>Urology</i> , 2018 , 117, 22-26	1.6	2
187	Water-like anomalies as a function of tetrahedrality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E3333-E3341	11.5	38
186	Revealing Hidden Structural Order Controlling Both Fast and Slow Glassy Dynamics in Supercooled Liquids. <i>Physical Review X</i> , 2018 , 8,	9.1	47
185	Tumor Contact Surface Area As a Predictor of Functional Outcomes After Standard Partial Nephrectomy: Utility and Limitations. <i>Urology</i> , 2018 , 116, 106-113	1.6	6
184	Prediction of Intraoperative Urinary Collecting System Entry in Patients with Peripheral Renal Tumors Undergoing Partial Nephrectomy: Usefulness of Tumor-Centered Multiplanar Reconstruction. <i>Urologia Internationalis</i> , 2018 , 100, 85-91	1.9	0
183	Structural predictor for nonlinear sheared dynamics in simple glass-forming liquids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 87-92	11.5	20
182	Common microscopic structural origin for water's thermodynamic and dynamic anomalies. <i>Journal of Chemical Physics</i> , 2018 , 149, 224502	3.9	52
181	2017 AUA Renal Mass and Localized Renal Cancer Guidelines: Imaging Implications. <i>Radiographics</i> , 2018 , 38, 2021-2033	5.4	35
180	Impact of Immunohistochemistry-Based Subtypes in Muscle-Invasive Bladder Cancer on Response to Chemoradiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 102, 1408-1416	4.16	12
179	Self-organization into ferroelectric and antiferroelectric crystals via the interplay between particle shape and dipolar interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9917-9922	11.5	8
178	Potential for computer-aided diagnosis using a convolutional neural network algorithm to diagnose fat-poor angiomyolipoma in enhanced computed tomography and T2-weighted magnetic resonance imaging. <i>International Journal of Urology</i> , 2018 , 25, 978-979	2.3	4

177	Origin of the emergent fragile-to-strong transition in supercooled water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9444-9449	11.5	77
176	Glass Forming Ability in Systems with Competing Orderings. <i>Physical Review X</i> , 2018 , 8,	9.1	29
175	Hydrodynamic simulations of charge-regulation effects in colloidal suspensions. <i>Soft Matter</i> , 2018 , 14, 4711-4720	3.6	5
174	Surface-assisted single-crystal formation of charged colloids. <i>Nature Physics</i> , 2017 , 13, 503-509	16.2	36
173	Impact of surface roughness on liquid-liquid transition. <i>Science Advances</i> , 2017 , 3, e1602209	14.3	5
172	Stepwise algorithm using computed tomography and magnetic resonance imaging for diagnosis of fat-poor angiomyolipoma in small renal masses: Development and external validation. <i>International Journal of Urology</i> , 2017 , 24, 511-517	2.3	13
171	Impact of spatial dimension on structural ordering in metallic glass. <i>Physical Review E</i> , 2017 , 96, 022613	2.4	9
170	Response of Soft Continuous Structures and Topological Defects to a Temperature Gradient. <i>Physical Review Letters</i> , 2017 , 119, 108003	7.4	3
169	Formation of porous crystals via viscoelastic phase separation. <i>Nature Materials</i> , 2017 , 16, 1022-1028	27	29
168	Common mechanism of thermodynamic and mechanical origin for ageing and crystallization of glasses. <i>Nature Communications</i> , 2017 , 8, 15954	17.4	29
167	Impact of complex topology of porous media on phase separation of binary mixtures. <i>Science Advances</i> , 2017 , 3, eaap9570	14.3	11
166	Absence of renal artery pseudoaneurysm on computed tomography after minimally-invasive partial nephrectomy using clampless and sutureless techniques. <i>International Journal of Urology</i> , 2017 , 24, 472-473	2.3	8
165	Clinical Value of 18F-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography in Upper Tract Urothelial Carcinoma: Impact on Detection of Metastases and Patient Management. <i>Urologia Internationalis</i> , 2016 , 96, 65-72	1.9	19
164	Anomalous phonon scattering and elastic correlations in amorphous solids. <i>Nature Materials</i> , 2016 , 15, 1177-1181	27	68
163	Significant difference in the dynamics between strong and fragile glass formers. <i>Physical Review E</i> , 2016 , 94, 052607	2.4	10
162	A possible four-phase coexistence in a single-component system. <i>Nature Communications</i> , 2016 , 7, 12599	17.4	10
161	Effect of Energy Polydispersity on the Nature of Lennard-Jones Liquids. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 7704-13	3.4	12
160	Water: A Tale of Two Liquids. <i>Chemical Reviews</i> , 2016 , 116, 7463-500	68.1	453

159	The reversibility and first-order nature of liquid-liquid transition in a molecular liquid. <i>Nature Communications</i> , 2016 , 7, 13438	17.4	44
158	Crystal nucleation as the ordering of multiple order parameters. <i>Journal of Chemical Physics</i> , 2016 , 145, 211801	3.9	75
157	Nonclassical pathways of crystallization in colloidal systems. <i>MRS Bulletin</i> , 2016 , 41, 369-374	3.2	33
156	Local non-equilibrium thermodynamics. <i>Scientific Reports</i> , 2015 , 5, 7832	4.9	5
155	A novel coarsening mechanism of droplets in immiscible fluid mixtures. <i>Nature Communications</i> , 2015 , 6, 7407	17.4	46
154	Effect of Size Polydispersity on the Nature of Lennard-Jones Liquids. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 11052-62	3.4	21
153	Microscopic identification of the order parameter governing liquid-liquid transition in a molecular liquid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5956-61	11.5	27
152	Clinical response to induction chemotherapy predicts improved survival outcome in urothelial carcinoma with clinical lymph nodal metastasis treated by consolidative surgery. <i>International Journal of Clinical Oncology</i> , 2015 , 20, 1171-8	4.2	15
151	Time-Resolved Light Scattering Study on the Kinetics of the Liquid-Liquid Transition in Triphenyl Phosphite. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 11768-82	3.4	13
150	Probing Colloidal Gels at Multiple Length Scales: The Role of Hydrodynamics. <i>Physical Review Letters</i> , 2015 , 114, 258302	7.4	35
149	Roles of Energy Dissipation in a Liquid-Solid Transition of Out-of-Equilibrium Systems. <i>Physical Review X</i> , 2015 , 5,	9.1	16
148	Assessing the role of static length scales behind glassy dynamics in polydisperse hard disks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6920-4	11.5	43
147	Surveillance policy for Japanese patients with stage I testicular germ cell cancer in the multi-detector computed tomography era. <i>International Journal of Clinical Oncology</i> , 2015 , 20, 1198-202	4.2	1
146	Purely hydrodynamic ordering of rotating disks at a finite Reynolds number. <i>Nature Communications</i> , 2015 , 6, 5994	17.4	46
145	Evidence of liquid-liquid transition in triphenyl phosphite from time-resolved light scattering experiments. <i>Physical Review Letters</i> , 2014 , 112, 125702	7.4	26
144	Understanding water's anomalies with locally favoured structures. <i>Nature Communications</i> , 2014 , 5, 3556	7.4	199
143	Influence of internal viscoelastic modes on the Brownian motion of a DNA coated colloid. <i>Soft Matter</i> , 2014 , 10, 1738-45	3.6	1
142	Supramolecular flower micelle formation of polyrotaxane-containing triblock copolymers prepared from macro-chain transfer agents bearing molecular hooks. <i>Polymer Chemistry</i> , 2014 , 5, 4511-4520	4.9	15

141	Structural evolution in the aging process of supercooled colloidal liquids. <i>Physical Review E</i> , 2014 , 89, 062315	2.4	27
140	New metastable form of ice and its role in the homogeneous crystallization of water. <i>Nature Materials</i> , 2014 , 13, 733-9	27	140
139	Novel stable crystalline phase for the Stillinger-Weber potential. <i>Physical Review B</i> , 2014 , 90,	3.3	18
138	Influence of patch-size variability on the crystallization of tetrahedral patchy particles. <i>Physical Review Letters</i> , 2014 , 113, 138303	7.4	15
137	Nonequilibrium critical Casimir effect in binary fluids. <i>Physical Review Letters</i> , 2013 , 111, 055701	7.4	45
136	Role of bond orientational order in the crystallization of hard spheres 2013 ,		4
135	The interplay of sedimentation and crystallization in hard-sphere suspensions. <i>Soft Matter</i> , 2013 , 9, 7369;6		27
134	A novel particle tracking method with individual particle size measurement and its application to ordering in glassy hard sphere colloids. <i>Soft Matter</i> , 2013 , 9, 1447-1457	3.6	24
133	Importance of many-body orientational correlations in the physical description of liquids. <i>Faraday Discussions</i> , 2013 , 167, 9-76	3.6	70
132	General nature of liquid-liquid transition in aqueous organic solutions. <i>Nature Communications</i> , 2013 , 4, 2844	17.4	48
131	Lifetimes and lengthscales of structural motifs in a model glassformer. <i>Faraday Discussions</i> , 2013 , 167, 405-23	3.6	55
130	Importance of many-body correlations in glass transition: an example from polydisperse hard spheres. <i>Journal of Chemical Physics</i> , 2013 , 138, 12A536	3.9	42
129	Structure and kinetics in the freezing of nearly hard spheres. <i>Soft Matter</i> , 2013 , 9, 297-305	3.6	51
128	Identification of long-lived clusters and their link to slow dynamics in a model glass former. <i>Journal of Chemical Physics</i> , 2013 , 138, 12A535	3.9	94
127	Defect science and engineering of liquid crystals under geometrical frustration. <i>Soft Matter</i> , 2013 , 9, 8107	3.6	31
126	First-line combination chemotherapy with cisplatin, etoposide and ifosfamide for the treatment of disseminated germ cell cancer: re-evaluation in the granulocyte colony-stimulating factor era. <i>Chemotherapy</i> , 2013 , 59, 441-6	3.2	2
125	Novel kinetic trapping in charged colloidal clusters due to self-induced surface charge organization. <i>Scientific Reports</i> , 2013 , 3, 2072	4.9	30
124	Role of diffusion-weighted magnetic resonance imaging in predicting sensitivity to chemoradiotherapy in muscle-invasive bladder cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 83, e21-7	4	82

123	A case of hereditary persistence of Hfetoprotein: diagnostic usefulness of the subfraction profile. <i>Japanese Journal of Clinical Oncology</i> , 2012 , 42, 767-9	2.8	5
122	Roles of icosahedral and crystal-like order in the hard spheres glass transition. <i>Nature Communications</i> , 2012 , 3, 974	17.4	208
121	Bond orientational order in liquids: Towards a unified description of water-like anomalies, liquid-liquid transition, glass transition, and crystallization: Bond orientational order in liquids. <i>European Physical Journal E</i> , 2012 , 35, 113	1.5	232
120	Viscoelastic phase separation in soft matter and foods. <i>Faraday Discussions</i> , 2012 , 158, 371-406; discussion 493-522	3.6	44
119	Selection mechanism of polymorphs in the crystal nucleation of the Gaussian core model. <i>Soft Matter</i> , 2012 , 8, 4206	3.6	72
118	Liquid-liquid transition without macroscopic phase separation in a water-glycerol mixture. <i>Nature Materials</i> , 2012 , 11, 436-43	27	151
117	Dynamic scaling for anomalous transport in supercooled liquids. <i>Physical Review E</i> , 2012 , 86, 030501	2.4	18
116	The microscopic pathway to crystallization in supercooled liquids. <i>Scientific Reports</i> , 2012 , 2, 505	4.9	176
115	Time-resolved simultaneous polarized and depolarized light scattering system with high sensitivity to optical anisotropy: application to phase separation of an optically isotropic liquid mixture. <i>Journal of Chemical Physics</i> , 2012 , 136, 064509	3.9	2
114	The effect of inter-cluster interactions on the structure of colloidal clusters. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 760-766	3.9	19
113	Diffusion-weighted magnetic resonance imaging in the differentiation of angiomyolipoma with minimal fat from clear cell renal cell carcinoma. <i>International Journal of Urology</i> , 2011 , 18, 727-30	2.3	50
112	Memory and topological frustration in nematic liquid crystals confined in porous materials. <i>Nature Materials</i> , 2011 , 10, 303-9	27	107
111	Structural origin of enhanced slow dynamics near a wall in glass-forming systems. <i>Nature Materials</i> , 2011 , 10, 512-20	27	110
110	Roles of bond orientational ordering in glass transition and crystallization. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 284115	1.8	16
109	Structural signature of slow dynamics and dynamic heterogeneity in two-dimensional colloidal liquids: glassy structural order. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 194121	1.8	58
108	Relationship between the phase diagram, the glass-forming ability, and the fragility of a water/salt mixture. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 14077-90	3.4	32
107	Direct evidence of heterogeneous mechanical relaxation in supercooled liquids. <i>Physical Review E</i> , 2011 , 84, 061503	2.4	34
106	Possible link of the V-shaped phase diagram to the glass-forming ability and fragility in a water-salt mixture. <i>Physical Review Letters</i> , 2011 , 106, 125703	7.4	40

105	Critical-like behaviour of glass-forming liquids. <i>Nature Materials</i> , 2010 , 9, 324-31	27	379
104	Multiple-scattering-free light scattering spectroscopy with mode selectivity. <i>Physical Review E</i> , 2010 , 81, 021401	2.4	6
103	Key role of hydrodynamic interactions in colloidal gelation. <i>Physical Review Letters</i> , 2010 , 104, 245702	7.4	84
102	Structural and dynamical features of multiple metastable glassy states in a colloidal system with competing interactions. <i>Physical Review Letters</i> , 2010 , 104, 165702	7.4	80
101	Novel zone formation due to interplay between sedimentation and phase ordering. <i>Europhysics Letters</i> , 2010 , 89, 38006	1.6	19
100	Superdiffusive mass transport as a causal mechanism for large-scale structure formation. <i>Europhysics Letters</i> , 2010 , 91, 40008	1.6	3
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