

# Ruben Higler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4330466/publications.pdf>

Version: 2024-02-01

13  
papers

5,226  
citations

1307594

7  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

8027  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Bright light-emitting diodes based on organometal halide perovskite. <i>Nature Nanotechnology</i> , 2014, 9, 687-692.  | 31.5 | 3,627     |
| 2  | High Photoluminescence Efficiency and Optically Pumped Lasing in Solution-Processed Mixed Halide Perovskite Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1421-1426. | 4.6  | 1,490     |
| 3  | Linking Particle Dynamics to Local Connectivity in Colloidal Gels. <i>Physical Review Letters</i> , 2017, 118, 188001.   | 7.8  | 26        |
| 4  | Substitutional impurity-induced vitrification in microgel crystals. <i>Soft Matter</i> , 2013, 9, 5372.  | 2.7  | 23        |
| 5  | Anomalous dynamics of interstitial dopants in soft crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13660-13665.                  | 7.1  | 13        |
| 6  | Linking slow dynamics and microscopic connectivity in dense suspensions of charged colloids. <i>Soft Matter</i> , 2018, 14, 780-788.   | 2.7  | 10        |
| 7  | Doping colloidal bcc crystals with interstitial solids and meta-stable clusters. <i>Scientific Reports</i> , 2017, 7, 12634.   | 3.3  | 8         |
| 8  | Diffusion Decoupling in Binary Colloidal Systems Observed with Contrast Variation Multispeckle Diffusing Wave Spectroscopy. <i>Langmuir</i> , 2019, 35, 5793-5801.                             | 3.5  | 7         |
| 9  | Apparent strength versus universality in glasses of soft compressible colloids. <i>Scientific Reports</i> , 2018, 8, 16817.  | 3.3  | 6         |
| 10 | Gel Trapping Enables Optical Spectroscopy of Single Solvated Conjugated Polymers in Equilibrium. <i>ACS Nano</i> , 2019, 13, 13185-13195.  | 14.6 | 6         |
| 11 | Allosteric pathway selection in templated assembly. <i>Science Advances</i> , 2019, 5, eaaw3353.   | 10.3 | 4         |
| 12 | Propagation and attenuation of mechanical signals in ultrasoft 2D solids. <i>Science Advances</i> , 2020, 6, .   | 10.3 | 3         |
| 13 | Particle Dynamics in Colloid-Polymer Mixtures with Different Polymer Architectures. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42041-42047.                                     | 8.0  | 3         |