

# Zhiqing Gu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6742786/publications.pdf>

Version: 2024-02-01

10  
papers

202  
citations

1163117

8  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

207  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | New design for highly durable infrared-reflective coatings. <i>Light: Science and Applications</i> , 2018, 7, 17175-17175.   | 16.6 | 37        |
| 2  | On the nature of point defect and its effect on electronic structure of rocksalt hafnium nitride films. <i>Acta Materialia</i> , 2014, 81, 315-325.  | 7.9  | 31        |
| 3  | Identification and thermodynamic mechanism of the phase transition in hafnium nitride films. <i>Acta Materialia</i> , 2015, 90, 59-68.   | 7.9  | 31        |
| 4  | Optical coatings of durability based on transition metal nitrides. <i>Thin Solid Films</i> , 2019, 688, 137339.  | 1.8  | 27        |
| 5  | Negative effect of vacancies on cubic symmetry, hardness and conductivity in hafnium nitride films. <i>Scripta Materialia</i> , 2015, 108, 141-146.  | 5.2  | 25        |
| 6  | Nature of Tunable Optical Reflectivity of Rocksalt Hafnium Nitride Films. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20511-20520.   | 3.1  | 23        |
| 7  | Improving electrical conductivity and wear resistance of hafnium nitride films via tantalum incorporation. <i>Ceramics International</i> , 2017, 43, 8517-8524.  | 4.8  | 12        |
| 8  | Optical reflectivity and hardness improvement of hafnium nitride films via tantalum alloying. <i>Applied Physics Letters</i> , 2016, 109, 232102.  | 3.3  | 8         |
| 9  | Hardness and optical gap enhancement of germanium carbon films by nitrogen incorporation. <i>Thin Solid Films</i> , 2015, 584, 208-213.  | 1.8  | 5         |
| 10 | Ion-bombardment-induced reduction in vacancies and its enhanced effect on conductivity and reflectivity in hafnium nitride films. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1. | 2.3  | 3         |