

# Mohammed Hassan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7022491/publications.pdf>

Version: 2024-02-01

16  
papers

2,073  
citations

933447

10  
h-index

1281871

11  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1987  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Extreme ultraviolet high-harmonic spectroscopy of solids. <i>Nature</i> , 2015, 521, 498-502.   | 27.8 | 648       |
| 2  | Synthesized Light Transients. <i>Science</i> , 2011, 334, 195-200.  | 12.6 | 606       |
| 3  | Optical attosecond pulses and tracking the nonlinear response of bound electrons. <i>Nature</i> , 2016, 530, 66-70.   | 27.8 | 346       |
| 4  | Invited Article: Attosecond photonics: Synthesis and control of light transients. <i>Review of Scientific Instruments</i> , 2012, 83, 111301.                                     | 1.3  | 166       |
| 5  | High-temporal-resolution electron microscopy for imaging ultrafast electron dynamics. <i>Nature Photonics</i> , 2017, 11, 425-430.  | 31.4 | 90        |
| 6  | Imaging rotational dynamics of nanoparticles in liquid by 4D electron microscopy. <i>Science</i> , 2017, 355, 494-498.  | 12.6 | 74        |
| 7  | Attosecond electron motion control in dielectric. <i>Nature Photonics</i> , 2022, 16, 33-37.  | 31.4 | 44        |
| 8  | Photon gating in four-dimensional ultrafast electron microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12944-12949. | 7.1  | 34        |
| 9  | Attomicroscopy: from femtosecond to attosecond electron microscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 032005.                        | 1.5  | 33        |
| 10 | Attosecond light field synthesis. <i>APL Photonics</i> , 2022, 7, .   | 5.7  | 18        |
| 11 | Efficient broadband highly dispersive HfO <sub>2</sub> /SiO <sub>2</sub> multilayer mirror for pulse compression in near ultraviolet. <i>Optics Express</i> , 2016, 24, 13628.    | 3.4  | 5         |
| 12 | Isolated optical attosecond pulses. , 2013, , .   |      | 4         |
| 13 | Attosecond electronic delay response in dielectric materials. <i>Faraday Discussions</i> , 0, 237, 317-326.   | 3.2  | 3         |
| 14 | Attosecond physics with Synthesized Transients of Light. , 2012, , .  |      | 0         |
| 15 | Synthesis of isolated optical attosecond pulses. , 2013, , .  |      | 0         |
| 16 | Attomicroscopy: attosecond electron microscopy. , 2018, , .   |      | 0         |