## Maaouia Souissi

List of Publications by Year in descending order

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1040056 1199594 14 246 9 12 citations h-index g-index papers 14 14 14 350 docs citations times ranked citing authors all docs

| #  | Article   | IF           | CITATIONS |
|----|---|--------------|-----------|
| 1  | Ni nanoparticle-decorated reduced graphene oxide for non-enzymatic glucose sensing: An experimental and modeling study. Electrochimica Acta, 2017, 240, 388-398.  | 5.2          | 50        |
| 2  | Elastic Properties of Feâ€"C and Feâ€"N Martensites. ISIJ International, 2015, 55, 1512-1521.   | 1.4          | 44        |
| 3  | Gelatin methacryloyl hydrogel for glucose biosensing using Ni nanoparticles-reduced graphene oxide:<br>An experimental and modeling study. Electrochimica Acta, 2018, 261, 275-283.   | 5.2          | 36        |
| 4  | Ab initio characterization of B, C, N, and O in bcc iron: Solution and migration energies and elastic strain fields. Computational Materials Science, 2016, 124, 249-258.   | 3.0          | 34        |
| 5  | Theoretical modelling of the phase diagrams of clathrate hydrates for hydrogen storage applications. Molecular Simulation, 2012, 38, 773-780.   | 2.0          | 20        |
| 6  | Creep lifetime and microstructure evolution in boron-added 9Cr–1Mo heat-resistant steel. Materials Science & Department of the Science & Processing A: Structural Materials: Properties, Microstructure and Processing, 2019, 760, 267-276.   | 5 <b>.</b> 6 | 15        |
| 7  | Effect of mixed partial occupation of metal sites on the phase stability of $\hat{I}^3$ -Cr23 $\hat{a}$ °xFe x C6 (x $\hat{a}$ = $\hat{a}$ = $\hat{a}$ 0 $\hat{a}$ = $\hat{a}$ 00°xFe x C6 (x $\hat{a}$ = $\hat{a}$ = $\hat{a}$ 00°xFe x C6 (x $\hat{a}$ = $\hat{a}$ = $\hat{a}$ 0°xFe x C6 (x $\hat{a}$ = $\hat{a}$ = $\hat{a}$ 0°xFe x C6 (x $\hat{a}$ = $\hat{a}$ = $\hat{a}$ = $\hat{a}$ 0°xFe x C6 (x $\hat{a}$ = $\hat{a}$ = $\hat{a}$ = $\hat{a}$ 0°xFe x C6 (x $\hat{a}$ = $\hat$ | 3.3          | 14        |
| 8  | Direct observation and modeling of growth-induced stacking fault in chromium-rich $\hat{l}^3$ -M23C6 carbides. Scripta Materialia, 2020, 178, 290-294.  | 5.2          | 11        |
| 9  | Evaluating the phase stability of binary titanium alloy Ti-X (X = Mo, Nb, Al, and Zr) using first-principles calculations and a Debye model. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 71, 102207.  | 1.6          | 10        |
| 10 | Crystal Chemistry and Electronic Properties of the Al-Rich Compounds, Al2Cu, $\ddot{l}$ %-Al7Cu2Fe and $\hat{l}$ -Al13Fe4 with Cu Solution. Metals, 2022, 12, 329.  | 2.3          | 7         |
| 11 | An atomistic level description of guest molecule effect on the formation of hydrate crystal nuclei by ab initio calculations. Journal of Structural Chemistry, 2012, 53, 619-626.   | 1.0          | 4         |
| 12 | Responses to comments on "Ni nanoparticle-decorated reduced graphene oxide for non-enzymatic glucose sensing: An experimental and modeling study [Electrochim. Acta 240 (2017) 388–398]― Electrochimica Acta, 2019, 300, 145-149.   | 5.2          | 1         |
| 13 | Theoretical Evaluation of Anisotropic Distortion Associated with Point Defects in Ordered Compounds. Defect and Diffusion Forum, 0, 363, 101-105.   | 0.4          | 0         |
| 14 | Creep Property of Boron Added 9Cr Heat Resistant Steels after Welding. Materials Science Forum, 2018, 941, 340-345.   | 0.3          | 0         |